

# КОНСПЕКТ

НА ВИСШАТА ФЛОРА  
НА БЪЛГАРИЯ

Хорология и  
флорни елементи

ЧЕТВЪРТО ПРЕРАБОТЕНО  
И ДОПЪЛНЕНО ИЗДАНИЕ

# CONSPECTUS

OF THE BULGARIAN  
VASCULAR FLORA

Distribution maps  
and floristic elements

FOURTH REVISED  
AND UPDATED EDITION

БЪЛГАРСКА ФОНДАЦИЯ БИОРАЗНООБРАЗИЕ

BULGARIAN BIODIVERSITY FOUNDATION









БЪЛГАРСКА ФОНДАЦИЯ  
БИОРАЗНООБРАЗИЕ

**СОФИЯ \* SOFIA**  
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# CONSPECTUS OF THE BULGARIAN VASCULAR FLORA

*Distribution maps and floristic elements*

**Fourth revised and enlarged edition**

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БЪЛГАРСКА ФОНДАЦИЯ БИОРАЗНООБРАЗИЕ

# КОНСПЕКТ НА ВИСШАТА ФЛОРА НА БЪЛГАРИЯ

*Хорология и флорни елементи*

**Четвърто допълнено и преработено издание**

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**С О Ф И Я  
2 0 1 2**

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## ПРЕДГОВОР КЪМ ЧЕТВЪРТТО ИЗДАНИЕ

Десет години изминаха от първото издание на Конспекта и повече от пет години от последното му, трето по ред, издание. За този сравнително къс период беше натрупан голям обем данни за българската флора. Имайки предвид, че тиражът на третото издание беше изчерпан, още през 2011 година стана необходима подготовката на ново издание на книгата.

Редица проекти, свързани с инвентаризация на флората, бяха осъществени от бившия Институт по ботаника (сега Институт по биоразнообразие и екосистемни изследвания) към Българска академия на науките. Сред тях поне няколко трябва да бъдат споменати: „Червена книга на България, т. 1. Растения и гъби”, „Важни места за растенията в България”, „Биология, екология и контрол на инвазивни чужди видове в българската флора”, „Опазване на биоразнообразието в горещи точки на глациални реликтни растения в България”, „Пилотна мрежа от малки защитени територии за опазване на растения в България чрез използване на модела на растителните микрорезервати”. Заедно с „Флора на Република България” тези проекти включваха интензивна теренна работа и доведоха до голям брой интересни открития и нова информация. През 2011–2012 година българската ботаническа общност даде значителен принос към проекта за картиране на видове и местообитания в мрежата „Натура 2000” в страната. Може да се очаква, че теренната работа по този проект също дава нови флористични данни, които може да се очаква да бъдат публикувани в следващите години. Проучвания, финансирани или организирани от дирекциите на националните и природните паркове също допринасят за по-доброто познаване на флората на различни части от страната.

Без съмнение, важна роля в нарастващия брой публикации с нови данни играе международното списание *Phytologia Balcanica*, издавано от Института по биоразнообразие и екосистемни изследвания. От 2006 година то предоставя добра възможност за бързо съобщаване под формата на кратки бележки на нови и интересни национални и регионални находки за Балканите. След създаването на раздела „New Floristic Records in the Balkans” броят на публикуваните нови данни от България нарасна значително. Всички приноси, намерили място в списанието, са достъпни онлайн на адрес <http://www.bio.bas.bg/~phytolbalcan/>.

Общо 10 вида и хибридни комбинации бяха описани като нови за науката от България, а именно *Aethionema rhodopaeum*, *Bupleurum uechtritizianum*, *Centaurea diospolitana*, *Centaurea wagenitziana* (*C. amplifolia* auct. bulg.), *Hieracium wernerii*, *Onosma pavlovii* (първоначално невалидно публикуван като *O. bulgarica*), *Onosma malkarmayorum*, *Salix* × *ardana*, *Salix* × *velcevii* и *Sesleria rhodopaea* (BANCHEVA & STOYANOV, 2009; BORŠIĆ & AL., 2011; KAILIS & ELEFThERIADOU, 2011; PAVLOVA, 2007, 2009; STOYANOV, S., 2010A; SZELAG, 2006; TAN & AL., 2009; TAN & PETROVA, 2009; TASHEV & DIMITROV, 2012; ТЕРПNER, 2008; VLADIMIROV & SZELAG, 2006; ZIELIŃSKI & AL., 2006). В допълнение, сега се включват някои видове, описани преди 2006 година поне частично на основата на български материали и пропуснати в предишното издание –

*Juniperus deltoides* (*J. oxycedrus* auct. plur.; ADAMS, 2004; ADAMS & AL., 2005), *Onosma stojanoffii* (TEPPNER, 1996a, 2008; TURRILL, 1925). Биосистематични проучвания потвърдиха видовия статус на *Centaurea davidovii* (BANCHEVA & GORGOROV, 2010) и сега този вид е добавен в книгата. На основата на наши наблюдения, хербарни данни и някои публикации (BÁLINT & ABADJIEV, 2006; FĂGĂRAȘ & AL., 2010; GREUTER, 1997), видът *Silene exaltata*, описан от България, но посочен с въпросителен знак в предишното издание, сега се счита с потвърдено разпространение в страната.

Впечатляващ брой нови естествено разпространени видове от българската флора бяха добавени в Конспекта – общо 42. Това са *Achillea ochroleuca*, *Allium phthioticum*, *Anchusa spruneri*, *Bromus parvispiculatus*, *Bupleurum euboicum*, *Carex appropinquata*, *Celtis tournefortii*, *Centaurea jankae*, *Centaurea trinervia*, *Chenopodium striatiforme*, *Chenopodium strictum*, *Cirsium rivulare*, *Colchicum haynaldii*, *Colchicum triphyllum*, *Convolvulus pilosellifolius*, *Crepis rubra*, *Dactylorhiza maculata* ssp. *transsilvanica*, *Dryopteris* × *ambroseae*, *Gagea fragifera*, *Galium asparagifolium*, *Galium* × *pomeranicum*, *Galium rigidifolium*, *Juncus hybridus*, *Linum spathulatum*, *Minuartia bilykiana*, *Onosma lypskyi*, *Onosma rigida*, *Orobanche laserpitii-sileris*, *Plantago maritima*, *Plantago maxima*, *Plantago sempervirens*, *Potamogeton obtusifolius*, *Potamogeton berchtoldii*, *Ranunculus polyanthemoides*, *Sedum subulatum*, *Sesleria tenuilolia*, *Sorbus borbasii*, *Sorbus mougeotii*, *Stachys baldaccii*, *Stachys beckeana*, *Stipa ucrainica* и *Taraxacum thracicum* (AMMANS & AL., 1992; ANCHEV, 1999; ANČEV & KRENDL, 2011; APOSTOLOVA & AL., 2008; ASENOV, 2010; BALTISBERGER, 2006; CHESHMEDZHIEV & MARINOV, 2009; DIMITROV, 2009, 2010a; DIMITROV & TRIFONOV, 2006; FĂGĂRAȘ & AL., 2010; GRAMATIKOV, 1983; GROZEVA, in press; HAJEK & AL., 2006a; IVANOVA, 2006a; KIRYAKOV & ČEŠMEDŽIEV, 2007; KOLARČIK & AL., 2010; MITOVA & AL., 2002; NEDELICHEVA & TSONEV, 2006; PEEV & AL., 2009; PERSSON, 1999, 2009; PERUZZI & AL., 2011; PETROVA, A.S., 2007; PETROVA, A.S. & VENKOVA, 2008; PETROVA, A.S. & AL., 2009a; SCHOLTZ, 2010; SNOGERUP & SNOGERUP, 2001; STOYANOV, K., 2009a; STOYANOV, S. & GORANOVA, 2009; STOYANOV, S. & VASSILEV, 2011; TEPPNER, 1996b, 2008; TSONEV & KARAKIEV, 2007; ZARREI & AL., 2009; ZIELIŃSKI & AL., 2012). Трябва да се отбележи, че тези нови национални находки идват от различни райони на страната, включително такива, които обикновено се считат за добре проучени. В допълнение към новоустановените видове, разпространението на *Dianthus leptopetalus* в страната, доскоро под въпрос, сега е потвърдено (FĂGĂRAȘ & AL., 2010; NEGREAN & DENCHEV, 2000), както и това на *Salix viminalis* (ZIELIŃSKI & AL., 2012). Освен това, два таксона, известни за България, сега се третираат на видово ниво – *Bupleurum aequiradiatum* (преди *B. commutatum* var. *aequiradiatum*) и *Bupleurum pachnospermum* (= *B. commutatum* ssp. *glaucocarpum*), по SNOGERUP & SNOGERUP (2001) и STOYANOV, S. & GORANOVA (2009). *Asperula suberosa* и *Delphinium albiflorum* са включен в Конспекта като самостоятелни видове, следвайки съответно GORANOVA & ANCHEV (2012) и BANCHEVA (2012). *Dianthus noeanus*, преди считан за вътревидов таксон на *D. petraeus*, е отделен с видов ранг, според таксономичното решение на няколко авторитетни източника (виж напр. JALAS & SUOMINEN, 1986; STRID, 1997). *Lychnis subintegra* сега е приет като отделен вид в съответствие с GREUTER



(1997). Молекулярни и морфологични проучвания потвърждават, че *Stachys thracica* е отделен вид (AKÇIŞEK & AL., 2012; DÜNDAR & AL., in press) и поради това е възстановен в българската флора. Голям брой нови видове от родовете *Hieracium* и *Taraxacum* са възприети като добри видове в българската флора (PETROVA, A. & VLADIMIROV, 2010). Това са *Hieracium divaricatum*, *H. heuffelii*, *H. klisurae*, *H. neodivergens*, *H. schultzeanum*, *H. velenovskyi*, *Taraxacum bulgaricum* и *T. dorchocarpum*. Няма съмнение, че броят видове от тези два рода в България в бъдеще ще продължи да нараства.

Чуждоземните видове станаха важна тема и интересът към тях нарасна след последното издание на Конспекта. Подробен преглед на проучванията върху разпространението на неместните растения в България през последните две десетилетия бе публикуван от PETROVA, A. & AL. (2012). Следните 33 нови вида са намерени в страната и са включени в настоящото издание: *Avena byzantina*, *Bidens bipinnatus*, *Bidens vulgatus*, *Catalpa speciosa*, *Cenchrus incertus*, *Chenopodium missouriense*, *Chenopodium pratericola*, *Chenopodium probstii*, *Chenopodium pumilio*, *Conyza sumatrensis*, *Datura innoxia*, *Digitaria ciliaris*, *Eclipta prostrata*, *Elodea nuttallii*, *Euphorbia davidii*, *Fallopia aubertii*, *Heteranthera rotundifolia*, *Impatiens balfourii*, *Koeleria paniculata*, *Lupinus polyphyllus*, *Modiola caroliniana*, *Panicum dichotomiflorum*, *Parthenocissus inserta*, *Pennisetum setaceum*, *Phytolacca esculenta*, *Prunus serotina*, *Senecio cineraria*, *Senecio inaequidens*, *Silphium perfoliatum*, *Solanum cornutum*, *Solanum heterodoxum*, *Vincetoxicum nigrum*, *Ziziphus jujuba* (ČEŠMEDŽIEV & SOKOLOV, 2007; ČEŠMEDŽIEV & STOICHEV, 2005; DELIPAVLOV & ČEŠMEDŽIEV, 2003; DIMITROV, 2005; GEORGIEV & AL., 2011; GEORGIEVA & IVANOV, 2007; GREUTER & AL., 1984; GROZEVA, 2007, 2010a, 2012; JEHLÍK & SCHOLZ, 2009; NEDELICHEVA, 2011; NEGREAN & DENCHEV, 2000; PETROVA, A. & AL., 2012; PETROVA, A.S., 2010a, 2011a, 2012; PETROVA, A.S. & VLADIMIROV, 2009, 2012; TASHEV, 2007; TSONEV, 2007; VASSILEV & PEDASHENKO, 2009; VELCHEV & PETROVA, A., 2010; VLADIMIROV, 2009a,c; VLADIMIROV & PETROVA, A., 2009; VLADIMIROV & PETROVA, A.S., 2009; ZIELIŃSKI & AL., 2012). Не са посочени находища на *Elodea canadensis* и *Impatiens balfourii* и тяхното разпространение предстои да бъде изяснено; картите към тези видове имат въпросителен знак върху цялата територия на страната. Наред с това, се съобщава нова хорологична информация за различни неместни видове, вече известни за България (виж литературни препратки по-долу). Отделни видове от горните (*Avena byzantina*, *Silphium perfoliatum*), към момента са посочени само като „случайни” (casual) и бъдещи наблюдения ще покажат поведението им.

Ние смятаме, че включването в Конспекта на непотвърдени и вероятно разпространени в страната видове е от голямо значение, тъй като привлича вниманието на полевите ботаници към растения, които иначе биха могли да останат незабелязани. Няколко такива вида, имащи находища в непосредствена близост до границите на страната или дори понякога споменавани за България, бяха включени в настоящото издание, а именно *Allium rumelicum* (ÖZHATAY & AL., 2010), *Carex magellanica* (DÍTI & PUKAJOVÁ, 2003; SCHUTZE-MOTEL, 1966), *Dianthus collinus* (JALAS & SUOMINEN, 1986), *Dianthus dobrogensis* (JALAS & SUOMINEN, 1986; PRODAN, 1953), *Dianthus strymonis* (STRID, 1997), *Paronychia rechingeri* (ARTELLARI, 1997), *Silene orbella* и *Silene tenuiflora*

(GREUTER, 1997). Повечето от тях са или наскоро отделени или принадлежат към трудни таксономични групи и изглежда възможно дори критична ревизия на българските хербариуми да потвърди някои от тях.

В тази връзка, в изданието са включени два таксона от сем. *Orchidaceae*, чийто таксономичен ранг е дискуссионен, а именно *Epipactis spiridonovii* и *Orchis commutata* (DELFORGE, 2006).

За част от родовете на *Rosaceae* запазваме традиционното възприемане в българските флористични източници, но безспорната ни препоръка е ботаниците да използват за това и други семейства данните на обобщаващите европейски източници (KURTTO & AL., 2004, 2007, 2010), както и достъпната онлайн Euro+Med Plantbase (<http://www.emplantbase.org/home>).

Няколко вида и имена са изключени от това издание на книгата по различни причини. Това са *Chamomilla suaveolens* (име, включено по грешка, бидейки синоним на *Matricaria discoidea*), *Centaurea amplifolia* (име, което е било погрешно използвано от български автори и заменено от наскоро обнародваното название *C. wagenitziana*; TAN & AL., 2009), *Colchicum borisii* (приеман за синоним на *C. autumnale* след ревизия на типов материал; PERSSON, 1999), *Chenopodium acuminatum*, *Orobanche nana* и *Orobanche rapum-genistae* (изключени след таксономични ревизии; GROZEVA, 2009; STOYANOV, K., 2009); *Cynoglossum rotatum* (доказано идентичен с *C. montanum* след ревизия на типовия материал; SUTORÝ, 2008); *Galium heldreichii* (погрешно интерпретиран от български автори вместо *Galium lovcense*; ANČEV & KRENDL, 2011); *Galium scabrifolium* (погрешно приеман от български автори вместо *G. macedonicum* или *G. rigidifolium*; ANČEV & KRENDL, 2011); *Hieracium zizianum* (VLADIMIROV, 2007a); *Aristolochia macedonica*, *Euphorbia velenovskyi* и *Myosotis macedonica* (синоними респективно на *A. pallida*, *E. palustris* и *M. incrassata*; виж PETROVA, A. & VLADIMIROV, 2010, и допълнителни литературни препратки в същата работа). PERSSON (2009) предлага *Colchicum diampolis* да бъде считан за синоним на *Colchicum szovitsii*. Въпреки това ние предпочитаме да запазим *C. diampolis* като самостоятелен вид, до публикуването на по-подробно изследване, което да изясни неговия статус. Наскоро беше съобщено, за голямо съжаление, че двата известни индивида на *Quercus thracica* са загинали (TASHEV, 2010a). Ние запазваме в Конспекта този най-вероятно хибридогенен таксон, тъй като е известно неговото съществуване в колекции *ex situ*.

Освен отпадането на таксони, трябва да се отбележат и наскоро направените първите стъпки за реинтродукция на някои изчезнали видове. Така например, *Aldrovanda vesiculosa* и *Nymphaea alba* (изчезнали от някои находища) бяха успешно възстановени и се развиват в тяхното предишно находище в Драгоманското блато (Знеполски район). Наскоро е направен опит за реинтродукция и на *Caldesia parnassifolia* (изчезнала от страната), но бъдещ мониторинг ще покаже дали пренасянето е било успешно.

Хорологията беше актуализирана с данни от многобройни публикации (AMMANNS & AL., 1992; ANČEV, 2010; ANČEV & GORANOVA, 2009; ANČEV & KRENDL, 2011; APOSTOLOVA-STOYANOVA & STOYANOV, 2007; ASENOV, 2009a, b, 2010, 2012; ASENOV & PAVLOVA, 2009; ASSYOV & AL., 2007; BALTISBERGER, 2006; BANCHEVA & DELCHEVA, 2006; BANCHEVA & GORGOROV, 2010; BANCHEVA & AL., 2012;

CHRISTENSEN & AL., 2006; DIMITROV, 2006a, b, 2007, 2010b; DIMITROV & VUTOV, 2006, 2012; DIMITROV & AL., 2006, 2010, 2012; DIMOVA & VLADIMIROV, 2006; GORANOVA, 2007; GORANOVA & VASSILEV, 2006; GORANOVA & AL., 2008, 2009, 2010, 2011a, b, 2012 GROZEVA, 2004, 2006, 2010b, 2011; GROZEVA & AL., 2012; HÁJEK & AL., 2006a, b, 2007; IVANOVA, D., 2006a, b; IVANOVA & AL., 2011; IVANOVA & VLADIMIROV, 2007; KARAKIEV, 2009, 2011, 2012; KENDEROVA, 2012; KIRJAKOV, 2008; LANGOUROV & AL., 2012; MARINOV, 2009, 2012; MILANOVA & AL., 2008; NACHEVA & IVANOVA, 2011; NEDELICHEVA, 2008, 2011; NEDELICHEVA & VASILEVA, 2009; PAVLOVA, 2010; PAVLOVA & AL., 2006; PEDASHENKO, 2006, 2010; PEDASHENKO & AL., 2009; PERSSON, 1999; PETROVA, A. & AL., 2007; PETROVA, A. S., 2006, 2008, 2010b, c, 2011b; PETROVA, A. S. & ASSYOV, 2008; PETROVA, A. S. & VASILEV, 2006; PETROVA, A. S. & VENKOVA, 2008; PETROVA, A. S. & AL., 2007a, b, 2009b, c, 2010, 2011, 2012a, b, c; RAYCHEVA, 2011; RAYCHEVA & DIMITROVA, 2007; RAYCHEVA & STOYANOV, 2012; RONIQUIER & RONIQUIER, 2010; SEREGIN, 2008; SOPOTLIEVA, 2006; STANEV & DELIPAVLOV, 2007; STOYANOV, K., 2009b, c; STOYANOV, S., 2006, 2008, 2010b, 2012a; STOYANOV, S. & KOLEV, 2008; STOYANOV, S., & AL., 2006a, b; TASHEV, 2008, 2009a, b, 2010a, b, 2011; TASHEV & AL., 2010; TASHEV & TSAVKOV, 2009; TASHEV & VITKOVA, 2006; TOSHEVA, 2006; TOSHEVA & TRAYKOV, 2010; TOSHEVA & AL., 2009 TRIFONOV, 2009; TSONEV & AL., 2010 VASSILEV, 2007, 2009, 2010, 2011; VASSILEV & PEDASHENKO, 2009, 2010, 2011, 2012; VASSILEV & AL., 2007a, b, 2008, 2009, 2012; VELCHEV & PETROVA, A., 2011; VELEV & AL., 2010; VLADIMIROV, 2001, 2006a, b, 2007b, 2009a, b, c, 2011; VLADIMIROV & PETROVA, 2009, 2010a, b; VLADIMIROV & SZELAG, 2001; VLADIMIROV & AL., 2006; VUTOV & DIMITROV, 2002; ZIELIŃSKI & PETROVA, 2012; ŻUKOWSKI, 1993; YANKOVA & CHERNEVA, 2007). Разпространението на отделни видове също беше осъвременено с информация, включена в новата Червена книга на Република България, в момента под печат, но вече достъпна онлайн (<http://e-ecodb.bas.bg/rdb/en/>): ANCHEV & GORANOVA (2012), APOSTOLOVA (2012), ASSYOV & DENCHEV (2012), BANCHEVA (2012), DENCHEV & ASSYOV (2012), DIMITROV (2012), DIMITROVA (2012), GENOVA (2012), GEORGIEV (2012), GORANOVA & ANCHEV (2012), GUSSEV (2012), IGNATOVA (2012), IVANOVA & TZONEV (2012), PEEV & TSONEVA (2012), PETROVA, A. (2012), PETROVA, A. S. (2012), STOEVA (2012), STOYANOV, S. (2012b), TSONEV (2012), VLADIMIROV (2012). Съставителите разбират, че хорологичната информация невинаги може да бъде толкова прецизна, колкото те биха желали. По тази причина трябва да бъдат насърчени критичните прегледи на литературата и хербариумите, с цел да се подобри тук представената информация.

По време на подготовката на Конспекта екипът на „Флора на Република България“ подготвяше 11-ти том на основната за българската флора монографска поредица. Този том е под печат и скоро ще бъде на разположение. Той ще включва семействата *Asteraceae* (подсем. *Asteroideae* s. str.), *Dipsacaceae*, *Campanulaceae*, and *Morinaceae*. Информацията в него не е включена в настоящия Конспект, като се надяваме читателят да се опира на „Флора на Република България“ за посочените семейства.

Направени бяха и някои промени във флористичните елементи. Те са особено видими в групата на балканските ендемити, за които наскоро бе публикуван видов списък (PETROVA, A. & VLADIMIROV, 2010). Макар че промените са взети предвид в настоящото издание, за читателя без съмнение

ще бъде полезно да се запознае с горецитираната публикация, която съдържа повече информация, отколкото може да се представи във формата на Конспекта, още повече че статията е достъпна онлайн (за интернет адрес виж литературния списък). *Dianthus noeanus*, *Silene exaltata*, *Stachys baldaccii*, *Stachys beckeana* и *Stachys thracica* трябва да бъдат добавени към списъка на PETROVA, A. & VLADIMIROV (2010), ако се следва приетата тук концепция. В допълнение, ние предпочитаме да приемаме *Achillea thracica* като български ендемит (NEDELICHEVA, 1998), доколкото съществуват известни съмнения в отнасянето на румънските материали.

Известно е, че се опитваме да бъдем консервативни и да избегнем твърде много промени в имената, което лесно се обяснява с факта, че общата публика на книгата включва не само ботаници, но и студенти, експерти в областта на природозащитата, любители и т.н. Поради това се стремим да запазим книгата съвместима с основните издания за българската флора. Така например, ние все още включваме *Psephellus*, *Colymbada* и *Cyanus* в *Centaurea* s. l., макар че скорошните биосистематични проучвания подкрепят тяхното отделяне. Това са основанията и за запазване на традиционно ползваните родови граници и, респективно, видови названия в сем. *Orchidaceae*. При все това, в някои случаи подобни промени са неизбежни. Така в настоящото издание ние върнахме *Aurinia uechtritziiana* отново в монотипния род *Lepidotrichum*, след като скорошни молекулярни изследвания дадоха аргументи за това разделяне (СНЕСНИ & SELVI, 2009; СЕСНИ, 2011). *Aphanes microcarpa* се намира сега като *A. minutiflora* (първото име е било погрешно използвано от българските автори; KURTTO & AL., 2007). *Bupleurum odontites* замества *B. fontanesii* (STOYANOV, S. & GORANOVA, 2009). *Celtis plachoniana* е коректното име за вида, представен в предходното издание като *C. glabrata* Steven, което название е по-късен омоним на *C. glabrata* Sprengel (ZIELIŃSKI & AL., 2012). Така също, видът известен в България като *Centaurea atropurpurea* (невалидно име) е тук под името *Centaurea calocephala*. *Centaurea finazzeri* е приет на видово ниво (BANCHEVA, 2006) и това название замества *C. rupestris*, под което той присъстваше в третото издание на Конспекта. *Chenopodium foliosum* замества нелегитимното име *Chenopodium virgatum* (GROZEVA, 2009). *Cynoglossum hungaricum* присъства като *Cynoglossum montanum* (SUTORY, 2008). *Epipactis gracilis* е под името *E. exilis* (DELFORGE, 2006); *Festucopsis sancta* ще бъде открит като *Peridictyon sanctum* (ANGELOV, 2000, 2003; SEBERG & AL., 1991). *Linaria rubioides* замества погрешно интерпретирания от българските автори *Linaria peloponesiaca* (NIKETIĆ & ТОМОВИĆ, 2008). Накрая, *Opuntia vulgaris* е променена на *Opuntia humifusa*, тъй като предишното име е било наше несполучливо и погрешно използване (относно употребата на тези названия виж също дискусията в LEUENBERGER, 1993).

Понякога ценна флористична информация може да остане скрита в доклади за хромозомни числа (GROZEVA, 2010b; IVANOVA & VLADIMIROV, 2007; PETROVA & AL., 2007; VLADIMIROV & SZELĄG, 2001) и микологични публикации (NEGREAN, 2010; NEGREAN & DENCHEV, 2000). Постарали сме се в рамките на нашите възможности да проследим и включим тази информация.

Докато се подготвяше новото издание на книгата, възникна въпросът дали то трябва да включва предговорите на предходните издания. Прецени се, че тези предговори са всъщност едни кратки и полезни ретроспективи на проучванията върху разнообразието и разпространението на българските висши растения през последното десетилетие. Те съдържат също основна информация за някои принципи, които следваме в книгата. Поради това бе решено, че е добре те да бъдат достъпни за читателите, които може да не разполагат с предходните издания.

Накрая, съставителите ще оценят всички критични коментари и предложения за подобряване на включената информация. Те също така ще приветстват получаването на публикации, които засягат български материали или таксони, разпространени в България. Адресите за кореспонденция могат да бъдат открити в края на книгата.

### *Благодарности*

Подготовката и актуализирането на всеки един вид списък е задача, която изисква време и много усилия. Това ново издание едва ли щеше да бъде възможно без постоянната подкрепа на много колеги и приятели. На първо място бихме искали да изразим нашата признателност на д-р Ана Петрова, за насърчаването, за огромната помощ, ценни съвети и предоставена информация. Не можем да пропуснем също нашия колега Владимир Владимиров, комуто благодарим за готовността да предостави експертен съвет по трудни въпроси и за приятните и полезни обсъждания. Благодарим на д-р Петър Желев за любезно предоставените критични бележки. Както обикновено, бихме желали да благодарим на нашите колеги, с които се наслаждавахме на многобройни и ползотворни теренни пътувания. Удоволствие е за нас да отправим благодарност към кураторите на българските хербариуми, за тяхната помощ при проучванията ни върху флората на страната. Благодарност дължим на институциите, в които работим, за това че направиха възможно продължението на този труд. Накрая, но не по значение, публикуването на това издание на Конспекта не би било възможно без финансовата помощ, предоставена от Националния фонд „Научни изследвания“ с договор ДНИС 01/05/11.12.2011. Тази финансова подкрепа позволи безплатното разпространението на електронна версия на книгата, която ще бъде достъпна за четене и изтегляне в Google Books (<http://books.google.com/>), Archive.org (<http://archive.org/>), Academia.edu (<http://www.academia.edu/>) и Scribd (<http://www.scribd.com/>).

## FOREWORD TO THE FOURTH EDITION

Ten years have passed since the first edition of the Conspectus and more than five after its last edition. This is relatively short period, but a large amount of data on the Bulgarian flora was accumulated meanwhile. Given that the third edition is now out-of-print, yet in 2011 the preparation of a new edition of the book seemed necessary.

A number of inventory projects were run since 2006 by the former Institute of Botany (currently Institute of Biodiversity and Ecosystem Research of the Bulgarian Academy of Sciences). Among these at least a few could be mentioned, namely “Red data book of Republic of Bulgaria, vol. 1. Plants and Fungi”, “Important plant areas in Bulgaria”, “Biology, ecology and control of the invasive alien species in the Bulgarian flora”, “Conservation of biodiversity in hot-spots of glacial relict plants in Bulgaria”, “A pilot network of small protected sites for plant species in Bulgaria using the plant micro-reserve model”. Together with “Flora of Republic of Bulgaria” these projects have included intensive field work, resulting in a number of interesting discoveries and new information. During 2011–2012 the Bulgarian botanical community provided extensive support for project on mapping species and habitats in the Natura 2000 network in the country. It could be expected that the field work on this project is also bringing new floristic data, which will be hopefully published in the years to follow. Surveys financed or run by the directorates of national and nature parks certainly contribute to the better knowledge on the flora of various parts of the country.

There could be little doubt, that an important role in the increasing amount of publications with new findings plays the international journal *Phytologia Balcanica*, published by the Institute of Biodiversity and Ecosystem Research. Since 2006 it provides a convenient platform for rapid publication in the form of brief notes on new and interesting national and regional records in the Balkans. After the launch of the New Records section, the number of published new data from Bulgaria has visibly increased. All contributions, which appeared in the journal, are available online at <http://www.bio.bas.bg/~phytolbalcan/>.

A total of 10 species and hybrid combinations were described as new for the science from Bulgaria, namely *Aethionema rhodopaeum*, *Bupleurum uechtritzianum*, *Centaurea diospolitana*, *Centaurea wagenitziana* (*C. amplifolia* auct. bulg.), *Hieracium wernerii*, *Onosma pavlovii* (first invalidly published as *O. bulgarica*), *Onosma malkarmayorum*, *Salix* × *ardana*, *Salix* × *velcevii*, and *Sesleria rhodopaea* (BANCHEVA & STOYANOV, 2009; BORŠIĆ & AL., 2011; KAILIS & ELEFThERiADOU, 2011; PAVLOVA, 2007, 2009; STOYANOV, S., 2010a; SZELĄG, 2006; TAN & AL., 2009; TAN & PETROVA, 2009; TASHEV & DIMITROV, 2012; TEPPNER, 2008; VLADIMIROV & SZELĄG, 2006; ZIELIŃSKI & AL., 2006). In addition, some species, described at least partly on Bulgarian material prior to 2006 and omitted in the previous edition, are now included – *Juniperus deltoides* (*J. oxycedrus* auct. plur.; ADAMS, 2004; ADAMS & AL., 2005), *Onosma stojanoffii* (TEPPNER, 1996a, 2008; TURRILL, 1925). Biosystematic studies confirmed the species status of *Centaurea davidovii* (BANCHEVA & GORGOROV, 2010) and this species is now listed in the

book. Based on our own observations, data from herbaria, and some publications (BÁLINT & ABADJIEV, 2006; FĂGĂRAȘ & AL., 2010; GREUTER, 1997), *Silene exaltata*, described from Bulgaria, but found under question in the previous edition, is now to be considered with confirmed distribution in the country.

An impressive number of new native species of the Bulgarian flora was added to the Conspectus – totally 42. These are *Achillea ochroleuca*, *Allium phthioticum*, *Anchusa spruneri*, *Bromus parvispiculatus*, *Bupleurum euboicum*, *Carex appropinquata*, *Celtis tournefortii*, *Centaurea jankae*, *Centaurea trinervia*, *Chenopodium striatiforme*, *Chenopodium strictum*, *Cirsium rivulare*, *Colchicum haynaldii*, *Colchicum triphyllum*, *Convolvulus pilosellifolius*, *Crepis rubra*, *Dactylorhiza maculata* ssp. *transsilvanica*, *Dryopteris* × *ambroseae*, *Gagea fragifera*, *Galium asparagifolium*, *Galium* × *pomeranicum*, *Galium rigidifolium*, *Juncus hybridus*, *Linum spathulatum*, *Minuartia bilykiana*, *Onosma lypskyi*, *Onosma rigida*, *Orobanche laserpitii-sileris*, *Plantago maritima*, *Plantago maxima*, *Plantago sempervirens*, *Potamogeton obtusifolius*, *Potamogeton berchtoldii*, *Ranunculus polyanthemoides*, *Sedum subulatum*, *Sesleria tenuilolia*, *Sorbus borbasii*, *Sorbus mougeotii*, *Stachys baldaccii*, *Stachys beckeana*, *Stipa ucrainica*, and *Taraxacum thracicum* (AMMANS & AL., 1992; ANCHEV, 1999; ANČEV & KRENDL, 2011; APOSTOLOVA & AL., 2008; ASENOV, 2010; BALTISBERGER, 2006; CHESHMEDZHIEV & MARINOV, 2009; DIMITROV, 2009, 2010a; DIMITROV & TRIFONOV, 2006; FĂGĂRAȘ & AL., 2010; GRAMATIKOV, 1983; GROZEVA, in press; HÁJEK & AL., 2006a; IVANOVA, 2006a; KIRYAKOV & ČEŠMEDŽIEV, 2007; KOLARČIK & AL., 2010; MITOVA & AL., 2002; NEDELICHEVA & TSONEV, 2006; PEEV & AL., 2009; PERSSON, 1999, 2009; PERUZZI & AL., 2011; PETROVA, A.S., 2007; PETROVA, A.S. & VENKOVA, 2008; PETROVA, A.S. & AL., 2009a; SCHOLTZ, 2010; SNOGERUP & SNOGERUP, 2001; STOYANOV, K., 2009a; STOYANOV, S. & GORANOVA, 2009; STOYANOV, S. & VASSILEV, 2011; TEPPNER, 1996b, 2008; TSONEV & KARAKIEV, 2007; ZARREI & AL., 2009; ZIELIŃSKI & AL., 2012). It is notable that those new national records come from different regions of the country, including such that are normally considered well-studied. Apart from the newly recorded species, the so far questionable distribution of *Dianthus leptopetalus* in the country is now confirmed (FĂGĂRAȘ & AL., 2010; NEGREAN & DENCHEV, 2000), as well as the occurrence of *Salix viminalis* (ZIELIŃSKI & AL., 2012). Further more, two taxa, known to be present in Bulgaria, are considered now at species level – *Bupleurum aequiradiatum* (formerly *B. commutatum* var. *aequiradiatum*) and *Bupleurum pachnospermum* (= *B. commutatum* ssp. *glaucocarpum*) after SNOGERUP & SNOGERUP (2001) and STOYANOV, S. & GORANOVA (2009). *Asperula suberosa* and *Delphinium albiflorum* appear in the Conspectus as self-standing species, following respectively GORANOVA & ANCHEV (2012) and BANCHEVA (2012). *Dianthus noeanus*, formerly treated as infraspecific taxon of *D. petraeus*, is separated following the taxonomic decision of several authoritative sources (see e. g. JALAS & SUOMINEN, 1986; STRID, 1997). *Lychnis subintegra* is now accepted as a separate species in accordance with GREUTER (1997). Molecular and morphological research also suggests that *Stachys thracica* is a self-standing species (AKÇIÇEK & AL., 2012; DÜNDAR & AL., in press) and it is therefore reinstated in the Bulgarian flora. A number of new hieracia and taraxaca are recognized as good species in the Bulgarian flora (PETROVA, A. & VLADIMIROV, 2010). These are



*Hieracium divaricatum*, *H. heuffelii*, *H. klisurae*, *H. neodivergens*, *H. schultzeanum*, *H. velenovskyi*, *Taraxacum bulgaricum*, and *T. dorchocarpum*. There could be little doubt the number of species in those two genera in Bulgaria will continue to grow in future.

Alien species have become a major issue and the interest in this topic has even increased since the last edition of the Conspectus. A detailed overview of the studies on the distribution of alien plants in Bulgaria during the last two decades was recently published by PETROVA, A. & AL. (2012). The following 33 new species have been found in the country and are included in this edition: *Avena byzantina*, *Bidens bipinnatus*, *Bidens vulgatus*, *Catalpa speciosa*, *Cenchrus incertus*, *Chenopodium missouriense*, *Chenopodium pratericola*, *Chenopodium probstii*, *Chenopodium pumilio*, *Conyza sumatrensis*, *Datura innoxia*, *Digitaria ciliaris*, *Eclipta prostrata*, *Elodea nuttallii*, *Euphorbia davidii*, *Fallopia aubertii*, *Heteranthera rotundifolia*, *Impatiens balfourii*, *Koeleria paniculata*, *Lupinus polyphyllus*, *Modiola caroliniana*, *Panicum dichotomiflorum*, *Parthenocissus inserta*, *Pennisetum setaceum*, *Phytolacca esculenta*, *Prunus serotina*, *Senecio cineraria*, *Senecio inaequidens*, *Silphium perfoliatum*, *Solanum cornutum*, *Solanum heterodoxum*, *Vincetoxicum nigrum*, *Ziziphus jujuba* (ČEŠMEDŽIEV & SOKOLOV, 2007; ČEŠMEDŽIEV & STOICHEV, 2005; DELIPAVLOV & ČEŠMEDŽIEV, 2003; DIMITROV, 2005; GEORGIEV & AL., 2011; GEORGIEVA & IVANOV, 2007; GREUTER & AL., 1984; GROZEVA, 2007, 2010a, 2012; JEHLÍK & SCHOLZ, 2009; NEDELICHEVA, 2011; NEGREAN & DENCHEV, 2000; PETROVA, A. & AL., 2012; PETROVA, A.S., 2010a, 2011a, 2012; PETROVA, A.S. & VLADIMIROV, 2009, 2012; TASHEV, 2007; TSONEV, 2007; VASSILEV & PEDASHENKO, 2009; VELCHEV & PETROVA, A., 2010; VLADIMIROV, 2009a,c; VLADIMIROV & PETROVA, A., 2009; VLADIMIROV & PETROVA, A.S., 2009; ZIELIŃSKI & AL., 2012). No detailed localities have been reported for *Elodea canadensis* and *Impatiens balfourii* and their distribution is yet to be clarified; the maps for those two species bear a question mark all over the territory of the country. Additionally, new chorological information appeared for different non-native species, already known to be present in Bulgaria (for references see below). Some of the above species (*Avena byzantina*, *Silphium perfoliatum*), are so far found only as casuals and future research will have to clarify their behavior.

We tend to consider that the inclusion of unconfirmed and possibly present species in the Conspectus is a matter of great importance as it turns the attention of the field botanists to plants, which may otherwise go unnoticed. Several such species, having localities very close to the country's borders or even sometimes mentioned for Bulgaria, were included in the present edition, namely *Allium rumelicum* (ÖZHATAY & AL., 2010), *Carex magellanica* (DÍTĚ & PUKAJOVÁ, 2003; SCHUTZE-MOTEL, 1966), *Dianthus collinus* (JALAS & SUOMINEN, 1986), *Dianthus dobrogensis* (JALAS & SUOMINEN, 1986; PRODAN, 1953), *Dianthus strymonis* (STRID, 1997), *Paronychia rechingeri* (ARTELLARI, 1997), *Silene orbelica*, and *Silene tenuiflora* (GREUTER, 1997). Most of these are either recently separated, or belong to difficult taxonomic groups and it seems possible that even a critical survey of the Bulgarian herbaria might confirm some of them.

In this relation, the Conspectus includes two taxa of the family *Orchidaceae*, which taxonomic status is yet to be clarified, namely *Epipactis spiridonovii* and *Orchis commutata* (DELFORGE, 2006).

For part of the genera of *Rosaceae* we keep the traditional treatment used in Bulgarian floristic sources, but for this and other families the reader is advised to consult also some more general European sources (KURTTÖ & AL., 2004, 2007, 2010), as well as the available online database Euro+Med Plantbase (<http://www.emplantbase.org/home>).

Several species and names have disappeared in this edition of the book for various reasons. These are *Chamomilla suaveolens* (included by an error and being a synonym of *Matricaria discoidea*), *Centaurea amplifolia* (a name having been misapplied by Bulgarian authors and replaced by the newly described *C. wagenitziana*; TAN & AL., 2009), *Colchicum borisii* (synonymized to *C. autumnale* after revision of the type; PERSSON, 1999), *Chenopodium acuminatum*, *Orobanche nana*, and *Orobanche rapum-genistae* (both excluded after taxonomic revisions; GROZEVA, 2009; STOYANOV, K., 2009); *Cynoglossum rotatum* (proven to be identical with *C. montanum* after revision of the type; SUTORÝ, 2008); *Galium heldreichii* (misinterpreted by Bulgarian authors instead of *Galium lovcense*; ANČEV & KRENDL, 2011); *Galium scabrifolium* (misinterpreted by Bulgarian authors instead of *G. macedonicum* or *G. rigidifolium*; ANČEV & KRENDL, 2011); *Hieracium zizianum* (VLADIMIROV, 2007a); *Aristolochia macedonica*, *Euphorbia velenovskyi* and *Myosotis macedonica* (being synonyms of *A. pallida*, *E. palustris* and *M. incrassata*, respectively; see PETROVA, A. & VLADIMIROV, 2010, and references therein). PERSSON (2009) suggested that *Colchicum diampolis* should be perceived as a synonym of *Colchicum szovitsii*. However, we prefer to keep *C. diampolis* as a self-standing species until more detailed study is published, which will clarify its status. It is rather sad that very recently the two known individual of *Quercus thracica* were reported to have died out (TASHEV, 2010a). We preserve this apparently hybridogenous taxon in the Conspectus as it is known that it survives in *ex situ* collections.

It must be noted that apart from the disappearing records, very recently the first steps were taken for the re-introduction of some extinct species. Thus, *Aldrovanda vesiculosa* and *Nymphaea alba* (locally extinct) were successfully restored and now grow again in their former locality in Dragoman marsh (Znepole region). An attempt was made recently for the re-introduction of *Caldesia parnassifolia* (nationally extinct), but monitoring will have to show whether the transfer was successful.

The chorology was updated with the data from numerous publication (AMMANN & AL., 1992; ANČEV, 2010; ANČEV & GORANOVA, 2009; ANČEV & KRENDL, 2011; APOSTOLOVA-STOYANOVA & STOYANOV, 2007; ASENOV, 2009a, b, 2010, 2012; ASENOV & PAVLOVA, 2009; ASSYOV & AL., 2007; BALTISBERGER, 2006; BANCHEVA & DELCHEVA, 2006; BANCHEVA & GORGOROV, 2010; BANCHEVA & AL., 2012; CHRISTENSEN & AL., 2006; DIMITROV, 2006a, b, 2007, 2010b; DIMITROV & VUTOV, 2006, 2012; DIMITROV & AL., 2006, 2010, 2012; DIMOVA & VLADIMIROV, 2006; GORANOVA, 2007; GORANOVA & VASSILEV, 2006; GORANOVA & AL., 2008, 2009, 2010, 2011a, b, 2012 GROZEVA,

2004, 2006, 2010b, 2011; GROZEVA & AL., 2012; HÁJEK & AL., 2006a, b, 2007; IVANOVA, D., 2006a, b; IVANOVA & AL., 2011; IVANOVA & VLADIMIROV, 2007; KARAKIEV, 2009, 2011, 2012; KENDEROVA, 2012; KIRJAKOV, 2008; LANGOUROV & AL., 2012; MARINOV, 2009, 2012; MILANOVA & AL., 2008; NACHEVA & IVANOVA, 2011; NEDELICHEVA, 2008, 2011; NEDELICHEVA & VASILEVA, 2009; PAVLOVA, 2010; PAVLOVA & AL., 2006; PEDASHENKO, 2006, 2010; PEDASHENKO & AL., 2009; PERSSON, 1999; PETROVA, A. & AL., 2007; PETROVA, A. S., 2006, 2008, 2010b, c, 2011b; PETROVA, A. S & ASSYOV, 2008; PETROVA, A. S. & VASILEV, 2006; PETROVA, A. S. & VENKOVA, 2008; PETROVA, A. S. & AL., 2007a, b, 2009b, c, 2010, 2011, 2012a, b, c; RAYCHEVA, 2011; RAYCHEVA & DIMITROVA, 2007; RAYCHEVA & STOYANOV, 2012; RONIKIER & RONIKIER, 2010; SEREGIN, 2008; SOPOTLIEVA, 2006; STANEV & DELIPAVLOV, 2007; STOYANOV, K., 2009b, c; STOYANOV, S., 2006, 2008, 2010b, 2012a; STOYANOV, S. & KOLEV, 2008; STOYANOV, S., & AL., 2006a, b; TASHEV, 2008, 2009a, b, 2010a, b, 2011; TASHEV & AL., 2010; TASHEV & TSAVKOV, 2009; TASHEV & VITKOVA, 2006; TOSHEVA, 2006; TOSHEVA & TRAYKOV, 2010; TOSHEVA & AL., 2009; TRIFONOV, 2009; TSONEV & AL., 2010; VASSILEV, 2007, 2009, 2010, 2011; VASSILEV & PEDASHENKO, 2009, 2010, 2011, 2012; VASSILEV & AL., 2007a, b, 2008, 2009, 2012; VELCHEV & PETROVA, A., 2011; VELEV & AL., 2010; VLADIMIROV, 2001, 2006a, b, 2007b, 2009a, b, c, 2011; VLADIMIROV & PETROVA, 2009, 2010a, b; VLADIMIROV & SZELĄG, 2001; VLADIMIROV & AL., 2006; VUTOV & DIMITROV, 2002; ZIELIŃSKI & PETROVA, 2012; ŻUKOWSKI, 1993; YANKOVA & CHERNEVA, 2007). The distribution of individual species has also been updated with the information, included in the new Red Data Book of Republic of Bulgaria, which is currently in press, but is already available online (<http://e-ecodb.bas.bg/rdb/en/>): ANCHEV & GORANOVA (2012), APOSTOLOVA (2012), ASSYOV & DENCHEV (2012), BANCHEVA (2012), DENCHEV & ASSYOV (2012), DIMITROV (2012), DIMITROVA (2012), GENOVA (2012), GEORGIEV (2012), GORANOVA & ANCHEV (2012), GUSSEV (2012), IGNATOVA (2012), IVANOVA & TZONEV (2012), PEEV & TSONEVA (2012), PETROVA, A. (2012), PETROVA, A. S. (2012), STOEVA (2012), STOYANOV, S. (2012b), TSONEV (2012), VLADIMIROV (2012). The compilers are fully aware that the chorological information may not always be as precise as they would hope to. It is therefore that critical surveys of the literature and herbaria on individual species are to be encouraged, for that helps to improve the data presented here.

During the preparation of the Conspectus the team of the Flora of Republic of Bulgaria has been preparing the 11<sup>th</sup> volume of the monographic series, basic for the Bulgarian flora. The volume is now in press and will be available soon and will include the families *Asteraceae* (subfamily *Asteroideae* s. str.), *Dipsacaceae*, *Campanulaceae*, and *Morinaceae*. This information is not incorporated in the Conspectus and it is hoped that the reader will refer to the Flora of Republic of Bulgaria for those families.

Several changes appear in the floristic elements. They are especially well-visible in the group of the Balkan endemics, where a list of species was recently published (PETROVA, A. & VLADIMIROV, 2010). Although the changes are taken into account in the current edition, the reader will certainly find useful to refer also to the above publication, which contains more information than possible to fit in the format of the Conspectus, moreover that the paper is conveniently available

online (for web-address see the entry in the list of references). *Dianthus noeanus*, *Silene exaltata*, *Stachys baldaccii*, *Stachys beckeana*, and *Stachys thracica* must be added to the list of PETROVA, A. & VLADIMIROV (2010) if the concept accepted here is followed. In addition, we prefer to treat *Achillea thracica* as a Bulgarian endemic (NEDELICHEVA, 1998), as far as there are some doubts about the identity of the Romanian materials.

It is known that we tend to be conservative and avoid too many name changes, which is easily explained by that fact that the general public of the book includes not only botanists, but also students, experts in nature conservation, hobbyists, etc. We therefore try to keep the book compatible with the basic editions on the Bulgarian flora. As for example we still lump *Psephellus*, *Colymbada* and *Cyanus* into *Centaurea* s. l., although recent biosystematic research has provided support for their separation. For the same reason we keep the traditional generic boundaries and species names respectively in the *Orchidaceae* family. Nevertheless, in some cases such changes are unavoidable. Thus in the current edition we have moved *Aurinia uechtritzi* back to the monotypic genus *Lepidotrichum*, being urged to do this as recent molecular studies provided support for this separation (CHECCHI & SELVI, 2009; CECCHI, 2011). *Aphanes microcarpa* is now found as *A. minutiflora* (the first name being misapplied by Bulgarian authors; KURTO & AL., 2007). *Bupleurum odontites* replaces *B. fontanesii* (STOYANOV, S. & GORANOVA, 2009). *Celtis plachoniana* appears to be the correct name for the species, named in the previous edition as *C. glabrata* Steven, which is a later homonym of *C. glabrata* Sprengel (ZIELIŃSKI & AL., 2012). Also, the species previously known in Bulgaria as *Centaurea atropurpurea* (invalid name) is here under the name *Centaurea calocephala*. *Centaurea finazzeri* is accepted at species level (BANCHEVA, 2006) and this name replaces *C. rupestris* under which it appears in the third edition of the Conspectus. *Chenopodium foliosum* replaces the illegitimate name *Chenopodium virgatum* (GROZEVA, 2009). *Cynoglossum hungaricum* appears as *Cynoglossum montanum* (SUTORÝ, 2008). *Epipactis gracilis* is now *E. exilis* (DELFORGE, 2006); *Festucopsis sancta* will be found as *Peridictyon sanctum* (ANGELOV, 2000, 2003; SEBERG & AL., 1991). *Linaria rubioides* replaces the misinterpreted by Bulgarian authors *Linaria peloponesiaca* (NIKETIĆ & TOMOVIĆ, 2008). Finally, *Opuntia vulgaris* is changed to *Opuntia humifusa*, the former name being our own unfortunate misapplication (see also discussion in LEUENBERGER, 1993).

Sometimes valuable floristic information may remain hidden in chromosome number reports (GROZEVA, 2010b; IVANOVA & VLADIMIROV, 2007; PETROVA & AL., 2007; VLADIMIROV & SZELAG, 2001) and mycological publications (NEGREAN, 2010; NEGREAN & DENCHEV, 2000). We have tried to the best of our knowledge to trace and include this information.

When preparing the new edition of the book, a question was raised if it should include the prefaces to the earlier editions. It was considered though, that they are in fact a brief and useful retrospective account on the studies on the diversity and the chorology of the Bulgarian flora over the last decade. They also contain some essential information for some principles that we follow in the book. It was

therefore decided that they are better available to the readers, who may not have the previous editions in hand.

Finally, the compilers will highly appreciate any critical comments and suggestions for improvement of the information included. They will also welcome receiving publications that tackle Bulgarian material or taxa, distributed in Bulgaria. The addresses for correspondence might be found at the end of the book.

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## ПРЕДГОВОР КЪМ ТРЕТОТО ИЗДАНИЕ

Видовото богатство на дадена територия е динамична величина поради навлизането на нови видове и изчезването на някои от съществуващите. Списъците на видове за дадена територия (флори, конспекти) се променят поради промените във видовото богатство, но и в резултат на нови таксономични виждания и концепции. Поради тези съображения, когато в началото на 2006 г. стана ясно, че тиражът на второто издание от 2002 г. е почти изчерпан, решението естествено бе да подготвим ново издание.

Краткият период, изминал от отпечатването на второто издание, е период на интензивни проучвания на българската флора. Приключени са или са в ход редица проекти. Част от тях са свързани с интензивна теренна работа, покриваща цялата територия на страната. В Института по ботаника при Българска академия на науките са базирани проектите: „Биоразнообразие на флората и растителността на Родопите” (2001–2003), „Проучване на тревните съобщества в България” (2002–2004), „Оценка на потенциалните важни места за растенията в България” (2003–2005), „Червени списъци на растения и гъби” (2003–2005), „Червена книга на България. Том 1. Растения и гъби” (2004–2007), „Оценка на чуждите за българската флора и микота видове” (2005–2007). Проучванията, свързани с изработване на планове за управление на защитени територии, в т. ч. на големи такива, като националните и природни паркове (Централен Балкан, Рила, Пирин, Витоша, Странджа, Сините камъни, Рилски манастир, Русенски Лом), както и на редица резервати, обогатиха хорологичната информация за редица видове. Принос в това отношение дадоха и проектите по изграждане на мрежата NATURA 2000 в България.

Изключително важен принос за изясняване на състава на българската флора имат биосистематичните проучвания, сред които през последните години се открояват тези на папратовидните растения, както и семействата *Asteraceae* (*Achillea*, *Centaurea*, *Hieracium*, *Crepis*), *Brassicaceae*, *Campanulaceae*, *Fabaceae* при висшите растения.

В пряка връзка с интензивността на проучванията, изминалият период е богат на публикации върху българската флора. Обстоен обзор на проучванията и публикациите за периода 1993–2004 г. дават PETROVA, A. & AL. (2005). През 2003 г. излезе от печат и Определител на растенията в България (DELIPAVLOV & CHESHMEDZHIEV, 2003), в който са включени 3800 диворастващи и 530 интродуцирани и култивирани вида.

В настоящето, трето издание на Конспекта са включени общо 3996 вида висши растения, което е с 146 вида повече от броя в предходното. Съществено различие е включването на видове, чието присъствие в българската флора е непотвърдено, но вероятно. При повечето от тях (26 вида) основание за включването им в настоящия Конспект е посочването им под въпрос в Определителя на висшите растения (KOZHUNAROV, 1992). Включването на останалите видове е въз основа на различни трудове и

публикации (ANČEV, 2001; ERBEN, 2002; FRÖHNER, 1997 и т.н.). В случаите, когато има предположения за срещането на вида в конкретен район, е поставен въпросителен знак (“?”) върху района (районите). Когато се допуска срещането на вида в България, но без конкретен район, въпросителният знак е поставен върху картата на цялата страна.

Описани като нови за науката видове от страната през този период са *Alyssum orbelicum* Ančev & Uzunov (ANČEV & UZUNOV, 2002), *Bolboschoenus platycarpus* Marhold, Hroudová, Ducháček & Zákřavský (MARHOLD & AL., 2004), *Festuca achtarovii* Velčev & Vassilev, *F. calcarea* Velčev ex Denchev, *F. maleschevica* Velčev & Vassilev, *F. staroplaninica* Velčev, *F. vandovii* Velčev ex Denchev, (DENCHEV, 2004; VELČEV, 2002; VELČEV & VASSILEV 2002a), *Hieracium kittaniae* Vladimir., *H. petrovae* Vladimir. & Szelag (VLADIMIROV, 2003; VLADIMIROV & SZELAG, 2006), *Vicia jordanovii* Velčev (VELČEV, 2002).

Добавени са също така редица видове, описани от България преди 2002 г., но останали неотразени в предходното издание. Такива са: *Alchemilla sirjaevii* Ploček (PLOCHEK, 1983), *Bromus orbelicus* (Velen.) Petrova, Kožucharov & Ehrend. (PETROVA, A. & AL., 1997), *Bromus parilicus* Petrova, Kožucharov & Ehrend. (PETROVA, A. & AL., 1997), *Carex riloensis* Stoeva & Popova (STOEVA & POPOVA, 1994), *Myosotis margaritae* Štěpánková (ŠTĚPÁNKOVÁ, 1993). Впечатляващ е броят на включените за пръв път в Конспекта видове от род *Taraxacum* – общо 43. Сред тях са 20 вида, описани за пръв път от България (DOLL, 1978; KIRSCHNER & ŠTĚPÁNEK 1993, 1998). С оглед на настъпилите промени в таксономичната концепция на този род, статусът на част от тези видове (DOLL, 1978) може да бъде обект на бъдеща критична преоценка.

Нови за страната видове и такива неотразени в предишното издание на Конспекта са *Achillea asplenifolia* Vent., *Arabis ciliata* Clairv., *Bulpeurum ranunculoides* L., *Carex caespitosa* L., *C. elata* All., *C. hartmanii* Cajander, *C. lasiocarpa* Ehrh., *Cerastium tenoreanum* Ser., *Clypeola microcarpa* Moris, *Crocus pallidus* Kitanov & Drenkovsky, *Dryopteris affinis* (Lowe) Fraser-Jenk., *Epipactis gracilis* B. & H. Baumann, *E. greuteri* H. Baumann & Künkele, *E. leptochila* (Godgery) Godfery, *E. pontica* Taubenheim, *Equisetum* × *moorei* Newman, *Geranium aristatum* Freyn. & Sint., *Gymnadenia densiflora* (Wahlenb.) A. Dietr., *Lathyrus filiformis* (Lam.) Gay, *Leontodon saxatilis* Lam., *L. tuberosus* L., *Linaria angustissima* (Loisel) Borbás, *Luzula divulgata* Kirschner, *L. falax* Kirschner, *Myosotis michaelae* Štěpánková, *Ophrys reinholdii* Spruner ex Fleishm., *Polycarpon diphyllum* Cav., *Polypodium interjectum* Shivas, *P.* × *mantoniae* Rothm., *Quercus trojana* Webb., *Rumex confertus* Willd., *Sagittaria latifolia* Willd., *Sesleria argentea* (Savi) Savi, *S. autumnalis* (Scop.) F.W. Schultz, *S. robusta* Schott, Nym. & Kotschi, *S. filifolia* Hoppe, *S. uliginosa* Opiz, *Thesium procumbens* C.A. Mey, *Thlaspi viridisepalum* (Podp.) Greuter & Burdet., *Thymelaea gussonei* Boreau, *Tragopogon floccosus* Waldst. & Kit., *Vulpia fasciculata* (Forssk.) Samp. (ANČEV, 2001; BERGMAN & AL., 2004; DELIPAVLOV, 2000; DELIPAVLOV & ČEŠMEDŽIEV, 2003; DIMITROVA & AL., 2005; GUSSEV & AL., 2005; HÁJEK & AL., 2005; HENDRYCH, 1994; IVANOVA, 2004; IVANOVA, in press; JORDANOV & AL., 1974; KIRSCHNER, 1991; KITANOV & AL., 1977; KOSTADINOVA & DIMITROV, 2002; LATOWSKI, 1993; PETROVA, A. 2000; PETROVA, A. in press; PETROVA, A. & AL., 2005; PETROVA, A. S. & VENKOVA, 2006; PETROVA, A. S. & VENKOVA, in press; PETROVA, A. S. & VENKOVA, submitted;



PLOCHEK, 1983; SAUKEL & AL., 2003; ŠTĚPÁNKOVÁ, 1994b; STOEVA, 1994; STOEVA & AL., 2005; STOYANOV, 2004; TOSHEVA, 2005; VELČEV & VASSILEV, 2002b; VLADIMIROV & DIMITROVA, 2006; VLADIMIROV & TSONEVA, 2006).

Успоредно с подготовката на Конспекта се подготвяше ново издание на "Атлас на ендемичните растения в България" (PETROVA, A., 2006). Във включения в атласа списък на българските ендемити (PETROVA, A. & VELČEV, 2006) има видове, които в част от обобщаващите издания за българската флора са разглеждани като вътревидови таксони и като такива не са били включени в предишното издание на Конспекта. Това са *Alchemilla damianicensis* Pawł., *Centaurea kamciensis* Kočev & Gančev, *Colchicum rhodopaeum* Kov., *Hieracium asenovgradense* Jasiewicz & Pawł., *H. ferdinandii-regis* Zahn, *Jurinea bulgarica* Velen.

Както това беше отбелязано и във второто издание, сме се въздържали от вземане на таксономични решения и сме отразявали валидно публикуваните от страната таксони. Понякога това е в противоречие с нашите схващания. DELIPAVLOV (1998) публикува като нов за науката вид *Oenothera bulgarica* Delip. от Южна Струмска долина. VELČEV & VASSILEV (2002b) публикуват от същия район *O. stricta* Ledeb. ex Link. Според нас се касае за един и същи таксон и доколкото родът е американски, описването на нови видове от находища извън естествения им ареал не е добро решение.

В резултат на биосистематични проучвания е потвърден видовият статус на редица видове в род *Centaurea* (BANCHEVA, 1999; BANCHEVA & RAIMONDO, 2003; BANCHEVA & GREILHUBER, 2006). Значителни и различни по характер са промените, настъпили и в семейство *Brassicaceae* (ANČEV, 1997, 2001; ANČEV & GORANOVA, 2006; ANČEV & POLATSCHEK, 1998, 2003, 2006; ANČEV & TOMŠOVIĆ, 1999). Съществени са и промените, резултат от задълбочено проучване на род *Achillea* в България (NEDELICHEVA, 1998; SAUKEL & AL., 2003).

В сравнение с Конспекта от 2002 г., от българската флора отпадат 20 таксона. В някои случаи се касае за погрешно съобщени за страната видове, напр. *Ophrys argolica* H. Fleischman (BERGMAN & AL., 2004; TSVETANOV & AL., in press). Подобен е случаят с *Campanula trichocalycina* Ten., погрешно посочвана за страната вместо *Asyneuma pichleri* (Vis.) Lakušić & P. Conti (LAKUŠIĆ & CONTI, 2004). От род *Rosa* отпадат пет вида поради критична преоценка на техния статус (ZIELINSKI & AL., 2004).

Въпросът за навлизането на антропофити във флората е изключително актуален в наши дни (PETROVA, A. & VLADIMIROV, 2002). Регистрирани за пръв път за страната са *Falopia × bohemia* (Chrtek & Chrtekova) J. P. Baylei, *Helianthus tuberosus* L., *Solidago gigantea* Ait., *Bidens frondosa* L., *Sycios angulatus* L., *Parthenocissus quinquefolia* (L.) Planch. (PETROVA, A. S., 2006; ŠUMBEROVA & AL., 2004; TZONEV, 2005; VLADIMIROV, 2003, 2006). В Конспекта са включени видове, неотразени в предишното издание – *Armoracia rusticana* (Lam.) P. Gaertn., *Fraxinus americana* L., *F. pensylvanica* H. Marshall, *Gleditsia triacanthos* L., *Opuntia tortispina* Engel, *O. vulgaris* Mill. (= *O. compressa* (Salisb.) Macbr.), *Robinia pseudoacacia* L.

Доколкото като ботаници интересите ни са основно свързани с флористичните проучвания, философията ни за Конспекта е той да представя нагледно разпространението на видовете в страната и да

подпомага изясняването му. В тази връзка и в това издание е запазен утвърденият в предходните формат. Той обаче от своя страна налага някои ограничения. На първо място това е липсата на синоними, вътревидови таксони и коментари. Поради това в редица случаи за нас беше много трудно да вземем решение за названието под което включваме даден таксон в Конспекта, както и начина на включване на таксони, при които има различни виждания за обема им. Отчитайки, че изданието е предназначено не само за професионални ботаници, а за широк кръг читатели, сме подхождали преди всичко от практическа гледна точка, предпочитайки познатите в българската ботаническа литература имена или таксономични концепции. Например, род *Centaurea* е разгледан в широк смисъл, включвайки в нейния обем родовете *Cyanus*, *Rhaponticoides* и *Colymbada*. Същото се отнася и за някои видове, напр. *Montia fontana* L. Независимо от това, по номенклатурни причини са възприети над 30 промени в имената на различни видове. Изпълняваният в института по ботаника към БАН проект за изготвяне на синонимен речник на висшите растения в България безспорно е крайно необходим и ще запълни една празнота в българската ботаническа литература.

Що се отнася до съкращенията на авторовите имена на растенията, в настоящето издание сме се постарали да следваме стандарта на BRUMMITT & POWEL (1992). Отстранени са някои досадни неточности в изписването на видовите имена, част от тях фигуриращи в някои от основните източници по българската флора.

Както и в предходното издание, хорологичната информация е осъвременена с данните от достъпната литература, с резултатите от проверките в българските хербариуми и по собствени непубликувани данни. Общо в Конспекта са отразени около 1500 промени в разпространението на видовете по флористични райони. Те са резултат на обобщаването на данните от 121 публикации, както съвременни, така и някои по-стари работи, данните от които са пренебрегнати в други обобщаващи издания (ALBACH & VLADIMIROV, 2002; ANČEV & POLATSCHEK, 2003; 2006; ASSYOV & VASSILEV, 2004; ATANASOVA & MARINOVA, 2005; BANCHEVA, In press; BANCHEVA & DELCHEVA, 2004; BANCHEVA & GREIHUBER, 2006; BANCHEVA & AL., 2002, 2004; BONDEV & AL., 1967; ČEŠMEDŽIEV, 1977; ČEŠMEDŽIEV & STOJCHEV, 1994; CHERNEVA, 2003; DELIPAVLOV, 2000; DELIPAVLOV & CHESHMEDZHIEV 2003; DENCHEV, 1970; DIMITROV & ASSYOV, 2003; DIMITROV, 2002a, b, c, d, 2004; DIMITROV & PAVLOVA, 2002; DIMITROV & SIDJIMOVA, 2003; DIMITROV, & TSONEV, 2002; DIMITROV, & VUTOV, 2004, 2006; DIMOVA & VLADIMIROV, 2006; DIMOVA & AL. 2002; FILIPOVA-MARINOVA, & PETROVA, A. S., 2003; GANCHEV, & DENCHEV, 1965, 1967, 1971; GANCHEV, & KOČEV, 1963, 1968; GEORGIEVA, 2000; GERASIMOVA & AL., 2003; GORANOVA, & VASSILEV, in press; GROZEVA, & GEORGIEVA, 2004; GROZEVA, & AL., 2004; GUSSEV & AL., 2005; HÁJEK & AL., 2005; IVANOVA, 1997, 1999, 2004; IVANOVA, & AL. 2005; JORDANOV, 1966; JORDANOV & KOČEV, 1973; JORDANOV & AL, 1965a, 1965b, 1974; KIRSCHNER, 1991, 1992; KOSTADINOVA & DIMITROV, 2002; MEYER, 1985; MILANOVA, & GUSSEV, 2002; PANOV, 1972, 1996; PAVLOVA, 2004, 2006; PAVLOVA, & TOSHEVA, 2002; PAVLOVA, & AL, 2006; PEDASHENKO, submitted; PEEV & VASILEV, 1972; PETROVA, A., 2000; PETROVA, A. S., 2004a, b, c, 2005, 2006; PETROVA, A. S. & AL., 1998, 2004, 2006; PETROVA, A. S. & AL., submitted; PETROVA, A. S. & AL, in prep.; RADKOV, 2003; RADOSLAVOVA, 2002; SAVCHEV, 1969; Sopotlieva & Petrova, 2001, 2002; STAFANOV &

BUNKOV, 1971; STANEV, 1969; STANEV, 1970; STANEV, 1971, 1979a, 1979b, 2005; STOEVA, & POPOVA, 1993; STOEVA & AL 2005; STOYANOV, K., 2005; STOYANOV, S., 2004; S., 2005; ŠUMBEROVA, & AL., 2004; TASHEV, 2003; TOSHEVA, & PAVLOVA, 2003; TOSHEVA, 2004; 2005; TRIFONOV, 2005; TSONEV, In press; TSIVETANOV & AL., in press; TZONEV, & ŠUMBEROVÁ, 2004; UZUNOVA & UZUNOV, 2005; VALEV, 1963; 1968; VASSILEVA & VIHODCEVSKY, 1974; VELCHEV & BONDEV, 1964, 1965, 1975; VELČEV & VASSILEV, 1969, 1971, 2002b; VELCHEV & AL., 1968; VELCHEV & AL., 1973; VIHODCEVSKY, 1963, 1968, 1977; VLADIMIROV, 2001, 2006; VUTOV & DIMITROV, 2002; ZAHARIEV, & GENOVA, 2004[2005]; ŻUKOWSKI, 1993 и т.н.).

При отделни видове промените в разпространението са значителни, напр. при *Carex panicea* L. (ASSYOV & VASSILEV, 2004; PETROVA, A. S., 2005; PETROVA, A. S. & AL., submitted), *Eleocharis uniglumis* (Link) Schultes (HAJEK & AL. 2005; PETROVA, A. S., 2005), *Scabiosa argentea* L. (ASSYOV & VASSILEV, 2004; PETROVA, A. S., 2005; PETROVA, A. S. & AL., submitted) и др. Понякога целенасочените проучвания показват, че видове считани за редки, в действителност са доста широко разпространение в страната. Такива са *Buglossoides glandulosa* (Velen.) R. Fern. (KIRYAKOV & PETROVA, A., 2003), *Thesium linophyllon* L. (PETROVA, A. S., ASSYOV, VASSILEVA & GORANOVA, in prep.) и др. Пример за прецизно отразяване на хорологията са работите на IVANOVA (2004), STOYANOV, K. (2005) и др.

Най-голям брой са съобщенията за флорен район Стара планина (над 200), което е свързано преди всичко с публикацията на GROZEVA & AL. (2004), на DIMITROV, 2005; PETROVA, A. S., 2004a, както и някои по-стари работи (GANCHEV & DENCHEV, 1965, 1967, 1971) и др. Значителен е броят на новите записи за Родопите, общо около 150 за трите подрайона (BANCHEVA & AL., 2004; PAVLOVA, 2004; PETROVA, A. S., 2004c, 2005; PETROVA, A. S. & AL., 2004, 2006 и др.). На трето място се нарежда Средна гора, за където има голям брой нови съобщения и по-стари публикации от редица автори (ASSYOV & VASSILEV, 2004; DIMITROV, 2002; PEDASHENKO, submitted; PETROVA, A. S., 2004b; STANEV, 1979a; VELČEV & VASSILEV, 2002, и др.). Родове, за които има значителен брой нови данни са *Achillea*, *Carex*, *Centaurea*, *Cerastium*, *Silene*.

Натрупаният опит от трите издания на Конспекта ни убеждава в необходимостта от поддържане на съвременна и достъпна база от данни за състава на флората на България и хорологията на видовете. Така ще се избегнат случаите на неколкостранно публикуване на “нови” за страната и отделни райони видове. Впечатляващ в това отношение е случаят с *Bellevallia sarmatica* (Pall. ex Georgi) Woronov, публикувана последователно от PRODAN (1939), KITANOV & AL. (1980), BERG & AL. (1989) и DELIPAVLOV (1998). Аналогично, *Knautia degenii* Borb. ex Form., е съобщена от KRÁL (1983), GUSSEV (1998) и DELIPAVLOV & ČEŠMEDŽIEV (1998). Тук могат да се добавят още *Carex caespitosa* L. (JORDANOV & al., 1974; STOEVA & AL., 2005). Нерядко интересни флористични данни остават “скрити” в кариологични проучвания, напр. *Carex elata* All. (STOEVA, 1994), *Sesleria robusta* Schott, Nym. & Kotschy (PETROVA, A., 2000).

Осмислянето на този значителен фактологичен материал за флората на България ни навежда на някои обобщения, които бихме желали да споделим. Освен традиционно сложните в таксономично отношение родове (напр. *Rosa*, *Rubus* и др.), се очертават родове, в които изглежда е необходима

задълбочена работа за изясняване на състава им в българската флора (*Cerastium*, *Colchicum*, *Dactylorhiza*, *Dianthus*, *Epipactis*, *Gagea*, *Ornithogalum*, *Orobanche*, *Scilla*, *Sesleria*, *Viola*). Многобройни са също така и родовете, в които редица видове се нуждаят от изясняване на актуалното разпространение в страната – *Aegilops*, *Agrostis*, *Arum*, *Bromus*, *Carex*, *Elymus*, *Euphorbia*, *Festuca*, *Iris*, *Phleum*).

### *Благодарности*

Работата по Конспекта се оказа трудоемка и трудна задача, която надали била успешна в кратките срокове, ако не бе съдействието на много колеги и приятели. Преди всичко нашите сърдечни благодарности на д-р Анна Петрова за предоставените публикации и данни, за изключителната отзивчивост към многобройните ни и разностранни въпроси. Благодарим за предоставената информация, публикации и консултации на колегите Чавдар Гусев, Владимир Владимиров, проф. Илия Чешмеджиев, проф. Минчо Анчев, д-р Светлана Банчева, Стоян Стоянов, д-р Росен Цонев, Валя Горанова, Христо Педашенко. Специални благодарности за предоставените данни и критичните бележки дължим също така на Даниела Иванова върху папратовидните растения и на Анита Тошева върху род *Lathyrus*. Благодарим на кураторите на хербариумите на Института по ботаника, БАН (SOM), Софийски университет „Св. Климент Охридски“ (SO) и Аграрния университет, Пловдив (SOA) за любезността и оказаното съдействие. Накрая, но не на последно място използваме възможността да изкажем своята благодарност на институциите, в които работим, за създадените условия за ползотворна работа. Новата информация в Конспекта е резултат и на дългогодишна работа в различни краища на страната. Благодарим на всички колеги и приятели, с които сме работили съвместно на терена.

## FOREWORD TO THE THIRD EDITION

The species diversity of an individual territory is a dynamic figure depending on the emergence of new species and the extinction of others. The species lists regarding specific territory (Flora, Conspectus) change because of the species diversity changes, but also as a result of introduction of more contemporary taxonomic concepts and ideas. In the beginning of 2006, when it became clear that the second edition of the Conspectus (2002) was almost completely out of print, the above considerations brought to the logical solution of preparing a new edition.

Despite of the short period since the printing out of the second edition this time was dedicated to extensive studies of the Bulgarian flora. A number of projects have just been finalized or have been on-going. Part of them involve intensive field work, covering the whole territory of the country. The Institute of Botany at the Bulgarian Academy of Sciences has hosted some of these projects: "Biodiversity of the Flora and the Vegetation of the Rhodopes" (2001–2003), "Study of the Grass Communities in Bulgaria" (2002–2004), "Evaluation of the potential Important Plant Areas Bulgaria" (2003–2005), "Red Lists of plants and fungi" (2003–2005), "Red Data Book of Bulgaria, Volume I Plants and Fungi" (2004–2007), "Evaluation of the Alien to the Bulgarian Flora and Mycota Species" (2005–2007). The studies concerned with the elaboration of management plans for protected areas, including spacious ones like the National and Nature Parks (Central Balkan, Rila, Pirin, Vitosha, Strandja, Sinite Kamani, Rila Monastery, Rusenski Lom), as well as these of a number of nature reserves, have enriched the chorological information on a number of species. The projects aiming at the establishment of the NATURA 2000 network in Bulgaria have also contributed.

Extremely important for clarifying the Bulgarian flora composition have also been the biosystematic studies amongst which during the last years especially noticeable have been these concerned with the fern plants, as well as with the families *Asteraceae* (genera *Achillea*, *Centaurea*, *Hieracium*, *Crepis*), *Brassicaceae*, *Campanulaceae*, *Fabaceae* of the flowering plants.

Being directly dependent of the studies intensity, a number of publications on the Bulgarian flora have been issued during this period. An extensive review of the studies and the publications during the period 1993–2004 have provided PETROVA, A. & AL. (2005). In 2003 Field Guide to the Plants in Bulgaria (DELIPAVLOV & ČEŠMEDŽIEV, 2003) has been published, which includes 3,800 wild and 530 introduced and cultivated species.

The present third edition of the Conspectus includes a total of 3,997 vascular plant species, which number exceeds by 147 the number of species included in the previous edition. Substantial difference makes the inclusion of species the occurrence of which in the Bulgarian flora is probable but not confirmed yet. Justification for including most of them (26 species) in the present Conspectus provides the fact they are mentioned under question in The Vascular Plants Guide Book (KOZHUHAROV, 1992). The inclusion of the other species is justified by different papers and publications (ANČEV, 2001; ERBEN, 2002; FRÖHNER, 1997,

etc.). In the cases when a species is supposed to occur in a specific region, it is indicated by a question mark ("?) on the region (regions). When the occurrence of the species in Bulgaria is supposed without indications for a specific region the question mark is posed on the map of the whole country.

The new for the science species described in the country in this period include *Alyssum orbelicum* Ančev & Uzunov (ANČEV & UZUNOV, 2002), *Bolboschoenus platycarpus* Marhold, Hroudová, Ducháček & Zákřavský (MARHOLD & AL., 2004), *Festuca achtarovii* Velčev & Vassilev, *F. calcarea* Velčev ex Denchev, *F. maleschevica* Velčev & Vassilev, *F. staroplaninica* Velčev, *F. vandovii* Velčev ex Denchev, (DENCHEV, 2004; VELČEV, 2002; VELČEV & VASSILEV 2002a), *Hieracium kittaniae* Vladimir., *H. petrovae* Vladimir. & Szelag (VLADIMIROV, 2003a; VLADIMIROV & SZELAG, 2006), *Vicia jordanovii* Velčev (VELČEV, 2002).

A number of species described for Bulgaria before 2002 that have not been covered by the previous edition have also been added. Such are: *Alchemilla sirjaevii* Ploček (PLOCHEK, 1983), *Bromus orbelicus* (Velen.) Petrova, Kožucharov & Ehrend. (PETROVA, A. & AL., 1997), *Bromus parilicus* Petrova, Kožucharov & Ehrend. (PETROVA, A. & AL., 1997), *Carex riloensis* Stoeva & Popova (STOEVA & POPOVA, 1993), *Myosotis margaritae* Štěpánková (ŠTĚPÁNKOVÁ, 1993). The number of species included for the first time in the Conspectus belonging to the *Taraxacum* genus is impressive – a total of 43. Among them are 20 species described from Bulgaria (DOLL, 1978; KIRSCHNER & ŠTĚPÁNEK 1993, 1998). In the light of the changes that have occurred in the taxonomic concept of this genus, the status of some of these species (DOLL, 1978) could become a subject of a future critical review.

The new to the country species and the ones that are not covered by the previous edition of the Conspectus are: *Achillea asplenifolia* Vent., *Arabis ciliata* Clairv., *Bulpeurum ranunculoides* L., *Carex caespitosa* L., *C. elata* All., *C. hartmanii* Cajander, *C. lasiocarpa* Ehrh., *Centaureum littorale* (Turn.) Gilm., *Cerastium tenoreanum* Ser., *Clypeola microcarpa* Moris, *Crocus pallidus* Kitanov & Drenkovsky, *Dryopteris affinis* (Lowe) Fraser-Jenk., *Epipactis gracilis* B. & H. Baumann, *E. greuteri* H. Baumann & Künkele, *E. leptochila* (Godgery) Godfery, *E. pontica* Taubenheim, *Equisetum* × *moorei* Newman, *Geranium aristatum* Freyn. & Sint., *Gymnadenia densiflora* (Wahlenb.) A. Dietr., *Lathyrus filiformis* (Lam.) Gay, *Leontodon saxatilis* Lam., *L. tuberosus* L., *Linaria angustissima* (Loisel) Borbás, *Luzula divulgata* Kirshner, *L. falax* Kirschner, *Myosotis michaelae* Štěpánková, *Ophrys reinholdii* Spruner ex Fleishm., *Polycarpon diphyllum* Cav., *Polypodium interjectum* Shivas, *P. × mantoniae* Rothm., *Quercus trojana* Webb., *Rumex confertus* Willd., *Sagittaria latifolia* Willd., *Sesleria argentea* (Savi) Savi, *S. autumnalis* (Scop.) F.W. Schultz, *S. robusta* Schott, Nym. & Kotschy, *S. filifolia* Hoppe, *S. uliginosa* Opiz, *Thesium procumbens* C.A. Mey, *Thlaspi viridisepalum* (Podp.) Greuter & Burdet, *Thymelaea gussonei* Boreau, *Tragopogon floccosus* Waldst. & Kit., *Vulpia fasciculata* (Forssk.) Samp. (ANČEV, 2001; BERGMAN & AL., 2004; DELIPAVLOV, 2000; DELIPAVLOV & ČEŠMEDŽIEV, 2003; DIMITROVA & AL., 2005; GUSSEV & AL., 2005; HÁJEK & AL., 2005; HENDRYCH, 1994; IVANOVA, 2004; IVANOVA, in press; JORDANOV & AL., 1974; KIRSCHNER, 1991; KITANOV & AL., 1977;

KOSTADINOVA & DIMITROV, 2002; KRÁL 1988, LATOWSKI, 1993; PETROVA, A. 2000; PETROVA, A., in press; PETROVA, A. & AL., 2005; PETROVA, A. S. & VENKOVA, 2006; PETROVA, A. S. & VENKOVA, in press; PETROVA, A. S. & VENKOVA, submitted; PLOCHEK, 1983; SAUKEL & AL., 2003; ŠTĚPÁNKOVÁ, 1994b; STOEVA, 1994; STOEVA & AL., 2005; STOYANOV, 2004; TOSHEVA, 2005; VELČEV & VASSILEV, 2002b; VLADIMIROV & DIMITROVA, 2006; VLADIMIROV & TSONEVA, 2006).

The new edition of the Atlas of the Endemic Plants in Bulgaria has been elaborated in parallel with the Conspectus (PETROVA, A., 2006). The list of the Bulgarian endemic species included in the Atlas (PETROVA, A. & VELČEV, 2006) contains species, which are presented as intraspecific taxa in some of the general publications on the Bulgarian flora and being such, have not been included in the previous edition of the Conspectus. Such are: *Alchemilla damianicensis* Pawl., *Centaurea kamciensis* Kočev & Gančev, *Colchicum rhodopaeum* Kov., *Hieracium asenovgradense* Jasiewicz & Pawl., *H. ferdinandii-regis* Zahn, *Jurinea bulgarica* Velen.

As already noted in the second edition we have in general restrained from making taxonomic decisions and have reflected the taxa validly published for the country. Sometimes this has been in contradiction with our perceptions. DELIPAVLOV (1998) has published *Oenothera bulgarica* Delip. from the Southern Struma Valley as a new species for the science. VELČEV & VASSILEV (2002b) have published *O. stricta* Ledeb. ex Link from the same region. The same taxon is most probably concerned in this case. Given that the genus *Oenothera* is American the describing of new species for localities outside their native range of distribution does not seem to be a good decision.

Resulting from the biosystematic studies, the species status of a number of species belonging to the *Centaurea* genus has been confirmed (BANCHEVA, 1999; BANCHEVA & RAIMONDO, 2003; BANCHEVA & GREILHUBER, 2006). Substantial and of different character have also been the changes concerning the *Brassicaceae* family (ANČEV, 1997, 2001; ANČEV & GORANOVA, 2006; ANČEV & POLATSCHEK, 1998, 2003, 2006; ANČEV & TOMŠOVIC, 1999). Significant are also the changes resulting from the comprehensive study of *Achillea* genus in Bulgaria (NEDELICHEVA, 1998; SAUKEL & AL., 2003).

Compared to the 2002 Conspectus 20 taxa have been excluded from the Bulgarian flora. In some cases this concerns species that have been reported for the country by mistake, for example. *Ophrys argolica* H. Fleischman (BERGMAN & AL., 2004; TSVETANOV & AL., in press). Similar is the case with *Campanula trichocalycina* Ten., wrongly reported for the country instead of *Asyneuma pichleri* (Vis.) Lakušić & P. Conti (LAKUŠIĆ & CONTI, 2004). Following the critical review of the status five species have been excluded from *Rosa* genus (ZIELIŃSKI & AL., 2004).

The issue with the introduction of anthropophytes in the flora is extremely important now-a-days (PETROVA, A. & VLADIMIROV, 2002). The following have been registered for the first time in the country: *Fallopia* × *bohemia* (Chrtek & Chrtekova) J. P. Baylei, *Helianthus tuberosus* L., *Solidago gigantea* Ait., *Bidens frondosa* L., *Sycios angulatus* L., *Parthenocissus quinquefolia* (L.) Planch.



(PETROVA, A. S., 2006; ŠUMBEROVA & AL., 2004; TZONEV, 2005; VLADIMIROV, 2003, 2006). The authors judgments have justified the inclusion of some other adventive species in the previous edition – *Armoracia rusticana* (Lam.) P. Gaertn., *Fraxinus americana* L., *F. pensylvanica* H. Marshall, *Gleditsia triacanthos* L., *Opuntia tortispina* Engel, *O. vulgaris* Mill. (= *O. compressa* (Salisb.) Macbr.), *Robinia pseudoacacia* L.

Given that our interests as botanists are especially concerned with the floristic studies, the philosophy of the Conspectus is to present in a visual manner the species distribution in the country and to facilitate its clarifying. In this relation, the design accepted for the previous editions is also kept in the current one. However, it has imposed certain limitations. At first place this is the lack of synonyms, intraspecific taxa and comments. Therefore, in a number of cases it has been especially difficult for us to take decision on the name under which an individual taxon to be included in the Conspectus, as well as on the mode of inclusion of taxa for which volume different visions exist. Considering that the edition is addressing not only the professional botanists but a large range of readers we have tried to be as practical as possible preferring the popular in the Bulgarian botanic literature names or taxonomic concepts. For example, *Centaurea* genus has been discussed in the broad sense, including in its volume also the genera *Cyanus*, *Rhaponticoides* and *Colymbada*. The same refers to some species, for example *Montia fontana* L. Despite of this, more than 30 changes in names of the different species have been accepted for nomenclature reasons. Undoubtedly, the Synonym glossary of the vascular plants in Bulgaria elaborated under a project of The Institute of Botany, BAS is more than needed and will fill an important gap in the Bulgarian botanical literature.

Concerning the abbreviating of the plant author names the present edition has tried to follow the standard of BRUMMITT & POWEL (1992). Some boring inaccuracies in the spelling of the species names have been corrected, although part of them are also present in some of the main sources for the Bulgarian flora.

Similar to the previous edition the chorological information has been updated with information from the available literature, with the results from the review of the Bulgarian herbaria and with our own unpublished data. A total of some 1,500 changes in the species distribution by floristic regions have been reflected in the Conspectus. They result from summarizing the data of the above cited sources as well as other 121 publications, both contemporary and historical, the data of which have been neglected by other summarizing publications (ALBACH & VLADIMIROV, 2002; ANČEV & POLATSCHEK, 2006; ASSYOV & VASSILEV, 2004; ATANASOVA & MARINOVA, 2005; BANCHEVA, in press; BANCHEVA & DELCHEVA, 2004; BANCHEVA & GREILHUBER, 2006; BANCHEVA & AL., 2002, 2004; BONDEV & AL., 1967; CHERNEVA, 2003; ČEŠMEDŽIEV, 1977; ČEŠMEDŽIEV & STOJCHEV, 1994; DELIPAVLOV, 2000; DELIPAVLOV & CHESHMEDZHIEV 2003; DENCHEV, 1970; DIMITROV, 2002a, b, c, d, 2004; 2005, DIMITROV & ASSYOV, 2003; DIMITROV & PAVLOVA, 2002; DIMITROV & SIDJIMOVA, 2003; DIMITROV, & TZONEV, 2002; DIMITROV, & VUTOV, 2004; 2006, DIMOVA & VLADIMIROV, 2006; DIMOVA & AL. 2002; FILIPOVA-MARINOVA, & PETROVA, A. S. 2003; GANCHEV, & DENCHEV, 1965, 1967, 1971; GANCHEV, & KOČEV, 1963,

1968; GEORGIEVA, 2000; GERASIMOVA & AL., 2003; GORANOVA, & VASSILEV, in press; GROZEVA, & GEORGIEVA, 2004; GROZEVA, & AL., 2004; GUSSEV & AL., 2005; HÁJEK & AL., 2005; IVANOVA, 1997, 1999, 2003; IVANOVA, & AL. 2005; JORDANOV, 1966; JORDANOV & KOCHEV, 1973; JORDANOV & AL, 1965a, b, 1974; KIRSCHNER, 1991, 1992; KOSTADINOVA & DIMITROV, 2002; MEYER, 1985; MILANOVA, & GUSSEV, 2002; PANOV, 1972, 1996; PAVLOVA, 2004, 2006; PAVLOVA, & TOSHEVA, 2002; PAVLOVA, & AL, 2006; PEDASHENKO, submitted; PEEV & VASILEV, 1972; PETROVA, A. 2000; PETROVA, A. S., 2004a, b, c, 2005, 2006; PETROVA, A. S. & AL., 1998, 2004, 2006; PETROVA, A. S. & AL., submitted; PETROVA, A. S. & AL, in prep.; RADKOV, 2003; RADOSLAVOVA, 2002; SAVCHEV, 1969; SOPOTLIEVA & PETROVA, A. S., 2001, 2002; STEFANOV & BUNKOV, 1971; STANEV, 1969, 1970, 1971, 1979a, b, 2005; STOEVA, & POPOVA, 1993; STOEVA & AL., 2005; STOYANOV, K., 2005; STOYANOV, S., 2004, 2005; ŠUMBEROVA, & AL., 2004; TASHEV, 2003; TOSHEVA, 2004; 2005; TOSHEVA, & PAVLOVA, 2003; TRIFONOV, 2005; TSVETANOV & AL.; in press; TZONEV, & ŠUMBEROVÁ, 2004; TZONEV, in press; UZUNOVA & UZUNOV, 2005; VALEV, 1963; 1968; VASSILEVA & VIHODCEVSKY, 1974; VELČEV & BONDEV, 1964, 1965, 1975; VELČEV & VASSILEV, 1969, 1971, 2002b; VELČEV & AL., 1968, 1973; VIHODCEVSKY, 1963, 1968, 1977; VLADIMIROV, 2001a, 2001b, 2006; VUTOV & DIMITROV, 2002; ZAHARIEV & GENOVA, 2005; ŻUKOWSKI, 1993, etc.).

The changes in the distribution have been significant for individual species, for example *Carex panicea* L. (ASSYOV & VASSILEV, 2004; PETROVA, A. S., 2005; PETROVA, A. S. & AL., submitted), *Eleocharis uniglumis* (Link) Schultes (HÁJEK & AL., 2005; PETROVA, A. S., 2005), *Scabiosa argentea* L. (ASSYOV & VASSILEV, 2004; PETROVA, A. S., 2005; PETROVA, A. S. & AL., submitted) etc. Sometimes the specific studies prove that species regarded as rare have in fact been relatively widely distributed in the country. Such are *Buglossoides glandulosa* (Velen.) R. Fern. (KIRYAKOV & PETROVA, A. 2003), *Thesium linophyllum* L. (PETROVA, A. S., ASSYOV, VASSILEV & GORANOVA, in prep.), etc. Examples of precise reflection of chorology have been the papers of IVANOVA (2003), STOYANOV, K. (2005), etc. The rediscovery of species considered since now extinct from the territory of the country, for example *Astragalus physocalyx* Fisch. (STOYANOV & AL., 2006) should also be noted.

The largest is the number of the floristic entries from Stara Planina (over 200), which are mostly connected with the publications of GROZEVA & AL. (2004) also of DIMITROV, 2005; of PETROVA, A. S., 2004a, as well as some older papers (GANCHEV & DENCHEV, 1965, 1967, 1971, etc. ). The number of the new entries for the Rhodopes is also significant, a total of some 150 for the three sub-regions (BANCHEVA & AL., 2004; PAVLOVA, 2004; PETROVA, A. S., 2004c, 2005; PETROVA, A. S. & AL., 2004, 2006, etc.). The third ranks Sredna Gora, where a large number of new reports and older publications from a number of authors exist (ASSYOV & VASSILEV, 2004; DIMITROV, 2002c; PEDASHENKO, submitted; PETROVA, A. S., 2004b; STANEV, 1979a; VELČEV & VASSILEV, 2002, etc.). The genera for which a substantial volume of new data is present are *Achillea*, *Carex*, *Centaurea*, *Cerastium*, *Silene*.

The experience gained through the three editions of the Conspectus has convinced us in the need of maintenance of updated and accessible data base on the Bulgarian flora composition and the species distribution. This will help avoid the cases of repeated publication of “new” to the country and individual regions species. In this respect the case with *Bellevallia sarmatica* (Pall. ex Georgi) Woronov, published consequently by PRODAN (1939), KITANOV & AL. (1977), BERG & AL. (1989) and DELIPAVLOV (1998) is impressive. Analogous is the situation with *Knautia degenii* Borb. ex Form., reported by KRÁL (1983), GUSSEV (1998) and DELIPAVLOV & ČEŠMEDŽIEV (1998). We can also add *Carex caespitosa* L. (JORDANOV & al., 1974; STOEVA & AL., 2005) to this list. Quite often interesting floristic data remain hidden into the karyologic studies for example *Carex elata* All. (STOEVA, 1994), *Sesleria robusta* Schott, Nym. & Kotschy (PETROVA, A., 2000).

The comprehension of this substantial factual data on the flora of Bulgaria inevitably brings to certain generalizations. Besides the genera that are traditionally complex in taxonomic terms (for example *Hieracium*, *Rosa*, *Rubus*, *Taraxacum*, etc.), genera emerge which need in-depth exploration to clarify their composition in the Bulgarian flora (*Cerastium*, *Colchicum*, *Dactylorhiza*, *Dianthus*, *Epipactis*, *Gagea*, *Ornithogalum*, *Orobanche*, *Scilla*, *Sesleria*, *Viola*). The genera in which a number of species need actual distribution clarifying are also numerous (*Aegilops*, *Agrostis*, *Arum*, *Bromus*, *Carex*, *Elymus*, *Euphorbia*, *Festuca*, *Iris*, *Phleum*).

### Acknowledgements

The elaboration of the Conspectus turned out to be a laborious and complex task, which would hardly be successfully accomplished without the cooperation of many colleagues and friends. First of all we wish to cordially thank Ana Petrova, Ph.D. for the publications and data made available, for the readiness to discuss our numerous and diverse questions. We thank for the information, publications and consultations offered by the colleagues Čavdar Gussev, Vladimir Vladimirov, Prof. Iliya Češmedžiev, Prof. Minčo Ančev, Svetlana Bantcheva Ph.D., Stoyan Stoyanov, Rossen Tzonev Ph.D., Valya Goranova, Hristo Pedashenko. Our special thanks for the data provided and the critical comments also go to Daniela Ivanova (on the ferns) and Anita Tosheva (on *Lathyrus* genus). We also thank to the curators of herbaria of the Institute of Botany, BAS (SOM), University of Sofia „St. Kliment Ohridski” (SO) and the Agrarian University in Plovdiv (SOA) for the kind cooperation. Last but not least we use the opportunity to tanks to the institutions in which we work for the favorable conditions for fruitful work. The new information in the Conspectus is a result of many years of botanical studies in different parts of the country. We thank all friend and colleagues with whom we worked together in the field.

## ПРЕДГОВОР КЪМ ВТОРОТО ИЗДАНИЕ

Въпреки своята неголяма територия България разполага с твърде богата и разнообразна флора, обусловена от срединното географско положение на страната, нейния разнообразен ландшафт и превратната геоложка история на нейните земи. Тук се срещат над 3800 вида висши растения (без мъховете), което представлява над половината от общото видово богатство на Балканския полуостров. На този фон в българската флора се развива богат ендемичен елемент, включващ както балкански, така и български ендемити, съставляващи около 8% от растителното богатство на страната (VELCHEV & AL., 1992).

### Хорологични данни

Българската флора понастоящем се смята за сравнително добре проучена във флористично отношение (PEEV & AL., 1993). Активните изследвания през последните години, довели до натрупването на голямо количество данни (cf. PETROVA, A., 2001), дават обаче основания да се каже, че процесът все още не е завършил. Разпознаването и описването на нови за науката таксони, в т.ч. и с видов ранг, е нередко събитие (ANČEV & POLATSCHEK, 1998; ČEŠMEDŽIEV, 1997; DELIPAVLOV, 1990, 1998; ERBEN, 1989; PANOVA, 1996; PAVLOVA & AL., 1999; SZELAG, 2001). В резултат на таксономични проучвания се потвърждава стойността на таксони, пренебрегвани от чуждестранните изследователи (MARHOLD & ANČEV, 1999) или се коригират схващанията за видовата принадлежност на представители на българската флора (DELIPAVLOV, 1987; PAVLOVA & KOZHUHAROV, 1994).

С настоящия Конспект се цели натрупаната информация да стане достъпна за по-широк кръг ботаници и любители. При неговото съставяне за таксономична база е възприет Определител на висшите растения в България (KOZHUHAROV, 1992), като са внесени необходимите допълнения. Изключение е направено за семейство *Orchidaceae* (по PETROVA, A. S. & AL., ined.) и родовете *Allium* L. (по Чешмеджиев в DELIPAVLOV, 1992a, 413–418 pp.), *Verbascum* L. (по Стефанова-Гатева в JORDANOV, 1995, 26–30 pp.), *Linaria* L. (по Делипавлов & Попова в JORDANOV, 1995, 111–124 pp.), както и за някои родове от семейство *Brassicaceae* (по ANČEV, 2001). Използвана е многотомната академична “Флора на Република България” (JORDANOV, 1964–1995). Описаните от различни автори нови за науката таксони са възприети така, както са били публикувани, като съставителите са се въздържали да вземат отношение по техния статус (с изключение на видовете, описани от GEORGIEV, D., 1997, при чието обнародване авторът не е спазил правилата на Международния кодекс за ботаническа номенклатура).

Включени са новосъобщените или потвърдени за България видове, отнасящи се понякога към нови за страната родове и дори семейства (ANČEV & GORANOVA, 1997; BANCHEVA & DENCHEV, 2000; BERG & AL., 1989; ČEŠMEDŽIEV, 1988; DELIPAVLOV, 1980, 1990, 1992b, 1998, 1999; DELIPAVLOV & ČEŠMEDŽIEV, 1984a, b, 1989; DELIPAVLOV & STOJCHEV, 1994; DENEVA & LJUBENOVA, 1996; DIMITROV, 1997, 1998; DIMITROV & DENCHEV, 1999; DIMITROV & LAZAROV, 2001;

DIMITROV & AL., 1997, 2001; GERASIMOVA & AL., 1998; GUSSEV, 1997; GUSSEV & DIMITROV, 1997; GUSSEV & AL., 1997; GUSSEV, DENCHEV & AL., 1998; GUSSEV, UZUNOV & AL., 1998; KITANOV & AL., 1987; KOČEVA & DIMITROV, 1997; LINDING & LINDING, 1991; MARKOVA & ČERNEVA, 1984; NIKETIČ, 2000; PASHALIEV & DIMITROV, 1994; PAVLOVA & KOZHUHAROV, 1994; PAVLOVA & AL., 1997, 2000; PETROVA, A. S. & AL., 1998; ROUSSAKOVA, 1995, 1996; SIERING & HENNING, 1989a, b, c; STOEVA, 1991; STOJANOV, S., 1998; TAN & VLADIMIROV, 2001; TASHEV, 2002; VELCHEV & AL., 1989; ZIELINSKI, 1992).

Отразени са резултатите от ревизиите на българските представители на родовете *Avena* L. (DELIPAVLOV, 1999) и *Crataegus* L. (cf. ZIELINSKI & AL., 2001), както и някои данни от дисертационните разработки върху род *Achillea* L. секция *Filipendulinae* (NEDELČEVA, 1998) и род *Centaurea* L. секции *Cyanus* и *Lepteranthus* (BANCHEVA, 1999).

Хорологичната информация, представена в Конспекта, е актуализирана с достъпните новопубликувани съобщения за разпространението на отделни видове в страната (APOSTOLOVA & DENCHEV, 1997; BONDEV & LJUBENOVA, 1984; ČERNEVA, 1997; ČEŠMEDŽIEV & VODENICHAROV, 1998; ČEŠMEDŽIEV & AL., 1998; DELIPAVLOV, 1988, 1990, 1992b, 1998; DELIPAVLOV & ČEŠMEDŽIEV, 1984a, b, 1989, 1997; DELIPAVLOV & STOJCHEV, 1994; DELIPAVLOV & AL., 1984; DENCHEV & AL., 1997, 2000; DIMITROV, 1988, 1990, 1991, 1994a, b, 1995, 2002; DIMITROV & DENCHEV, 1997, 1999; DIMITROV & GEORGIEV, 1999; DIMITROV & GUSSEV, 1994; DIMITROV & LAZAROV, 2001; DIMITROV & NIKOLOV, 1998; DIMITROV & PAVLOVA, 2000; DIMITROV & VUTOV, 2000; GEORGIEV, V., 1997; GUSSEV & NOVOSELSKI, 1997; GUSSEV & AL., 1997, 1998a, b; KITANOV & AL., 1987; KOČEVA & DIMITROV, 1994; MESHINEV & AL., 2000; NEDELČEVA, 1998; NYAGOLOV & AL., 2001; PASHALIEV & DIMITROV, 1994; PASHALIEV, 1995; PAVLOVA & NEDELČEVA, 2001; PAVLOVA & AL., 1997; PETROVA, A. S. & AL., 1998, 1999, 2001; SOPOTLIEVA & PETROVA, A. S., 2001; STOJANOV & GEORGIEV, 2001; TASHEV, 2001; TZONEV, 1997, 2000; UZUNOV, 1997; UZUNOV & AL., 1998; VLADIMIROV, 2001a, b; VLADIMIROV & KOZHUHAROV, 1999; VUTOV & DIMITROV, 2000a, b; ZHELEV & GOGUSHEV, 2000). Отразени са сведенията, получени от проучванията в рамките на Българо-Швейцарската програма за опазване на биоразнообразието (1994–2000), както и резултатите от ревизиите на хербарните колекции на Софийския университет (SO) и Висшия селско-стопански институт – гр. Пловдив (SOA, IAP). Използвани са също така и няколко по-стари съобщения и ревизии, по една или друга причина останали неотразени в основните литературни източници (BONDEV & AL., 1976, 1979; BROWICZ & ZIELINSKI, 1977; GANCHEV & DENCHEV., 1971; GANCHEV & KOČEV, 1963, 1968; HINKOVA, 1960; JORDANOV & MARKOVA, 1970; JORDANOV & AL., 1965, 1968; PANOV, 1975a, b, c, 1978; STOJANOV, N., 1965; VELCHEV & AL., 1966).

Отпадат от състава на българската флора *Achillea biebersteinii* Afan. (по NEDELČEVA, 1998), *Astragalus fraxinifolius* DC. (PAVLOVA & KOZHUHAROV, 1994) и *Celtis caucasica* Willd. (BROWICZ & ZIELINSKI, 1977), тъй като съобщенията за тях се базират на погрешно определени материали. Дискуссионен е въпросът за намирането у нас на *Adenophora liliifolia* (L.) DC., *Aruncus dioicus* (Walter) Fernald, *Dactylorhiza majalis* (Reichenb.) P. F. Hunt et Summerhayes, *Globularia trichosanthes* Fisch. et C. A. Meyer, *Teucrium botrys* L. и др., от които в

българските хербариуми няма съхранени образци; поради това тези видове не са включени в Конспекта.

Потвърдено е разпространението на *Aldrovanda vesiculosa* L. (BAEVA, 1992), *Carex rupestris* Bell. ex All., *Hammarbia paludosa* (L.) O. Kuntze (VODENICHAROV & VASSILEV, 1999), *Lathyrus pančičii* (Juris.) Adam. (PETROVA, A. S., APOSTOLOVA & GEORGIEV, in prep.) и *Viola pumila* Chaix (ANDREEV, 1993), считани доскоро за изчезнали от нашата флора. Присъствието в България на видове като *Ammania verticillata* (Ard.) Lam., *Angelica archangelica* L., *Astragalus cornutus* Pallas, *Caldesia parnassifolia* (Bassi) Parl., *Hypericum setiferum* Stefanov, *Liparis loeselii* (L.) L. C. Richard, *Salix rosmarinifolia* L., *Tetragonolobus maritimus* (L.) Roth, *Theligonum cynocrambe* L. в наши дни е несигурно (VELCHEV, 1984), но те остават част от българската флора. Това важи и за *Arnica montana* L., идентифицирана по хербарни материали от Д. Димитров по време на работата по изготвянето на Конспекта.

В Конспекта са включени непубликувани до момента данни за разпространението на някои нови или потвърдени за страната видове. Подробна информация за тези находки ще бъде съобщена другаде (DIMITROV & ASSYOV, submitted; DIMITROV & SIDJIMOVA, submitted; KOSTADINOVA & DIMITROV, submitted; TZONEV & ZIELINSKI, accepted; PETROVA, A. S. & AL., ined., DIMITROV, ined.).

Известните за българската флора хибридни комбинации не са отразени в това издание. Обстоен преглед на хибридите при българските висши растения е направен от ANČEV (1984).

Разпространението на отделните видове следва възприетата във "Флора на НР България" (JORDANOV, 1966) фитогеографска подялба, тъй като това осигурява лесна връзка между Конспекта и предишни флористични издания. Надморските височини за по-голямата част от видовете са посочени по KOZHUNAROV (1992). Корекции има за видовете, за които в цитираната литература има посочени различни данни за горната или долната граница на вертикално разпространение, и в случаите, когато съставителите имат лични конкретни наблюдения.

Защитените видове са отбелязани на основата на списъка в Приложение 3 на Проектозакона за опазване на биоразнообразието, който е в процес на приемане от Народното събрание на Република България.

### Флорни елементи

Флорен елемент е група от видове, произлизащи от един и същ флорен район. Географското положение на България обуславя значително разнообразие на флорни елементи. Долините на реките Струма, Места, Марица и Арда, както и южните части на Черноморското крайбрежие са пътища за навлизането в българската флора на множество средиземноморски елементи. Някои от тях достигат на север до южните склонове на старопланинската верига, където на места се формират медитерански оазиси. Уникална по своя характер е флората на Странджа планина, с наличието в нея на реликтни евксински видове. От югоизток в нашата флора проникват някои предноазиатски елементи, а в североизточна посока тя се обогатява и с понтийски видове, характерни за степите на Северното

Черноморие и Каспийско море. От северозапад старопланинската верига е важен път за навлизането на алпо-карпатски геоеlementи, а в югозападна посока, по планинските масиви на Осоговска планина, Влахина, Огражден и Пирин, развитие получава и скардо-пиндският ендемичен флорен елемент. Отделна група са настанилите се у нас в резултат на човешка дейност чуждоземни видове, които в това издание са означени като адвентивни, независимо от времето и начина на пристигането им (виж PETROVA, A. & VLADIMIROV, 2001).

В настоящия Конспект отнасянето на видовете към даден флорен елемент е направено по класификацията на Walter, с някои изменения и допълнения.

### *Благодарност*

Съставителите изразяват своята благодарност на д-р Пиер Галан и на проф. Илия Чешмеджиев за техните критични бележки върху цялото издание, на д-р Теню Мешинев и д-р Ива Апостолова за техните ценни съвети при подготовката на изданието, на колегата Росен Цонев за предоставените непубликувани данни, както и на техническите сътрудници Пламен Стоянов, Владимир Трифонов и Звезделина Стоянова за прецизната им работа по изданието. Авторите дължат особена благодарност на Българо-Швейцарската програма за опазване на биоразнообразието и на Про Натура – Швейцария за оказаната финансова подкрепа.

В изданието вероятно могат да бъдат открити пропуски и неточности. На всички, които чрез своите критични бележки ще спомогнат те да бъдат отстранени, съставителите изказват предварително своята благодарност. Коментари, забележки и нови хорологични данни са очаквани на електронните адреси на авторите.

## INTRODUCTION TO THE SECOND EDITION

In spite of the its small territory Bulgaria boasts of quite rich and diverse flora, which is due to the medial geographic location of the country, its varied landscape and the turns in its geological history of its lands. More than 3800 higher plants species (without the mosses), which is more than half of the flora on the Balkan peninsula, occur there. On this background the Bulgarian flora features a rich endemic component including both Balkan and Bulgarian endemic species, which constitute about 8% of the country's flora (VELCHEV & AL., 1992).

### *Plant distribution data*

Presently the Bulgarian flora is considered to be comparatively well studied in floristic respect (PEEV & AL., 1993). However, the active research in the last few years, which led to the accumulation of quite a big amount of new data (cf. PETROVA, A., 2001), shows that the study process cannot be considered completed. The identifying and describing of taxa new for the science, including such ranking as species, is not an infrequent event (ANČEV & POLATSCHEK, 1998; ČEŠMEDŽIEV, 1997; DELIPAVLOV, 1990, 1998; ERBEN, 1989; PANOV, 1996; PAVLOVA & AL., 1999; SZELĄG, 2001). Taxonomical studies confirm the value of taxa neglected by foreign researchers (MARHOLD & ANČEV, 1999) or correct the understanding of the species affiliation of some elements of the Bulgarian flora (DELIPAVLOV, 1987; PAVLOVA & KOZHUHAROV, 1994).

This Conspectus aims at bringing the existing information to a broader circle of botanists and students. In the compiling of this book the taxonomic basis used by KOZHUHAROV in "Identification guide to the vascular plants in Bulgaria" (1992) has been used with some additions and amendments. Exceptions have been made for the family of *Orchidaceae* (according to PETROVA, A. S. & AL., ined.), for the genera *Allium* L. (according to Češmedžiev in DELIPAVLOV, 1992a, 413–418 pp.), *Verbascum* L. (according to Stefanova-Gateva in JORDANOV, 1995, 26–30 pp.), *Linaria* L. (according to Delipavlov in JORDANOV, 1995, 111–124 pp.), and certain genera of the family of *Brassicaceae* (ANCHEV, 2001). The academic multi-volume work "Flora of the Republic of Bulgaria" (JORDANOV, 1964–1995) has been largely used. The species newly described by different authors have been added the way they have been published and the compilers do not express opinion on their status (except for the species described by GEORGIEV, D., 1997, published by the author contrary to the rules of the International Code for Botanical Nomenclature).

New plant species for the Bulgarian flora reported or confirmed recently, sometimes belonging to genera and even families new for the country, are also included in the Conspectus (ANČEV & GORANOVA, 1997; BANCHEVA & DENCHEV, 2000; BERG & AL., 1989; ČEŠMEDŽIEV, 1988; DELIPAVLOV, 1980, 1990, 1992b, 1998, 1999; DELIPAVLOV & ČEŠMEDŽIEV, 1984a, b, 1989; DELIPAVLOV & STOJCHEV, 1994; DENEVA & LJUBENOVA, 1996; DIMITROV, 1997, 1998; DIMITROV & DENCHEV, 1999;



DIMITROV & LAZAROV, 2001; DIMITROV & AL., 1997, 2001; GERASIMOVA & AL., 1998; GUSSEV, 1997; GUSSEV & DIMITROV, 1997; GUSSEV & AL., 1997; GUSSEV, DENCHEV & AL., 1998; GUSSEV, UZUNOV & AL., 1998; KITANOV & AL., 1987; KOICHEVA & DIMITROV, 1997; LINDING & LINDING, 1991; MARKOVA & ČERNEVA, 1984; NIKETIČ, 2000; PASHALIEV & DIMITROV, 1994; PAVLOVA & KOZHUHAROV, 1994; PAVLOVA & AL., 1997, 2000; PETROVA, A. S., & AL., 1998; ROUSSAKOVA, 1995, 1996; SIERING & HENNING, 1989a, b, c; STOEVA, 1991; STOJANOV, S., 1998; TAN & VLADIMIROV, 2001; TASHEV, 2002; VELCHEV & AL., 1989; ZIELINSKI, 1992).

The results of the revisions of the Bulgarian representatives of genera *Avena* L. (DELIPAVLOV, 1999) and *Crataegus* L. (cf. ZIELINSKI & AL., 2001) have been taken into account, as well as data from works on genus *Achillea* L. section *Filipendulinae* (NEDELICHEVA, 1998) and genus *Centaurea* L. sections *Cyanus* and *Leptanthus* (BANCHEVA, 1999).

The data, concerning the distribution of the species throughout the country have been updated with a review of the newly published articles on the Bulgarian flora (APOSTOLOVA & DENCHEV, 1997; BONDEV & LJUBENOVA, 1984; ČERNEVA, 1997; ČEŠMEDŽIEV & VODENICHAROV, 1998; ČEŠMEDŽIEV & AL., 1998; DELIPAVLOV, 1988, 1990, 1992b, 1998; DELIPAVLOV & ČEŠMEDŽIEV, 1984a, b, 1989, 1997; DELIPAVLOV & STOJCHEV, 1994; DELIPAVLOV & AL., 1984; DENCHEV & AL., 1997, 2000; DIMITROV, 1988, 1990, 1991, 1994a, b, 1995, 2002; DIMITROV & DENCHEV, 1997, 1999; DIMITROV & GEORGIEV, 1999; DIMITROV & GUSSEV, 1994; DIMITROV & LAZAROV, 2001; DIMITROV & NIKOLOV, 1998; DIMITROV & PAVLOVA, 2000; DIMITROV & VUTOV, 2000; GEORGIEV, V., 1997; GUSSEV & NOVOSELSKI, 1997; GUSSEV & AL., 1997, 1998a, b; KITANOV & AL., 1987; KOICEVA & DIMITROV, 1994; MESHINEV & AL., 2000; NEDELICHEVA, 1998; NYAGOLOV & AL., 2001; PASHALIEV & DIMITROV, 1994; PASHALIEV, 1995; PAVLOVA & NEDELICHEVA, 2001; PAVLOVA & AL., 1997; PETROVA, A. S. & AL., 1998, 1999, 2001; SOPOTLIEVA & PETROVA, A. S., 2001; STOJANOV & GEORGIEV, 2001; TASHEV, 2001; TZONEV, 1997, 2000; UZUNOV, 1997; UZUNOV & AL., 1998; VLADIMIROV, 2001a, b; VLADIMIROV & KOZHUHAROV, 1999; VUTOV & DIMITROV, 2000a, b; ZHELEV & GOGUSHEV, 2000). The results of studies carried out in the framework of the Bulgarian-Swiss Biodiversity Conservation Programme (1994-2000) and of the revisions of the herbarium collections of Sofia University "St. Kliment Ohridski" (SO) and the Higher Agricultural Institute – Plovdiv (SOA and IAP) are also included in the Conspectus. Some previous publications, not reflected in the main literary sources, have also been used (BONDEV & AL., 1976, 1979; BROWICZ & ZIELINSKI, 1977; GANCHEV & DENCHEV., 1971; GANCHEV & KOICHEV, 1963, 1968; HINKOVA, 1960; JORDANOV & MARKOVA, 1970; JORDANOV & AL., 1965, 1968; PANOV, 1975a, b, c, 1978; STOJANOV, N., 1965; VELCHEV & AL., 1966).

Some species have been removed from the list of the Bulgarian flora, since their publication has been based on misidentification: *Achillea biebersteinii* Afan. (NEDELICHEVA, 1998), *Astragalus fraxinifolius* DC. (PAVLOVA & KOZHUHAROV, 1994) and *Celtis caucasica* Willd. (BROWICZ & ZIELINSKI, 1977). The distribution in Bulgaria of some other species is contestable, since no sample material of them is available in the Bulgarian herbaria: *Adenophora liliifolia* (L.) DC., *Aruncus dioicus* (Walter) Fernald, *Dactylorhiza majalis* (Reichenb.) P. F. Hunt et Summerhayes,

*Globularia trichosantha* Fisch. et C. A. Meyer, *Teucrium botrys* L. and others. Therefore they have not been included in the present Conspectus.

The presence of species until recently considered extinct from the Bulgarian flora has been confirmed: *Aldrovanda vesiculosa* L. (BAEVA, 1992), *Carex rupestris* Bell. ex All., *Hammarbia paludosa* (L.) O. Kuntze (VODENICHAROV & VASSILEV, 1999), *Lathyrus pančičii* (Juris.) Adam. (PETROVA, A. S., APOSTOLOVA & GEORGIEV, in prep.) and *Viola pumila* Chaix (ANDREEV, 1993). The presence of other species nowadays remains doubtful (VELCHEV, 1984) – *Ammania verticillata* (Ard.) Lam., *Angelica archangelica* L., *Astragalus cornutus* Pallas, *Caldesia parnassifolia* (Bassi) Parl., *Hypericum setiferum* Stefanov, *Liparis loeselii* (L.) L. C. Richard, *Salix rosmarinifolia* L., *Tetragonolobus maritimus* (L.) Roth, *Theligonum cynocrambe* L.; – but they are still part of the Bulgarian flora. This is valid also for *Arnica montana* L., identified by Dr. D. Dimitrov in the herbaria during the preparation of the Conspectus.

Some unpublished data of new or confirmed species of the Bulgarian flora have also been included in this Conspectus. Detailed information about these findings will be reported elsewhere (DIMITROV & ASSYOV, submitted; DIMITROV & SIDJIMOVA, submitted; KOSTADINOVA & DIMITROV, submitted; TZONEV & ZIELINSKI, accepted; PETROVA, A. S. & AL., ined., DIMITROV, ined.).

The known hybrid combinations in the Bulgarian flora have not been included in this publication. Comprehensive review of the hybrids of the higher Bulgarian plants has been made by ANČEV (1984).

In order to ensure the compatibility with previous publications, the phytogeographic division accepted by “Flora of the Republic of Bulgaria” (JORDANOV, 1966) has been used. The altitudes of distribution are given according to KOZHUHAROV (1992), corrected whenever the cited sources are indicating different figures for the vertical distribution, or whenever the compilers have personal observations.

The protected species are marked according to the Annex 3 of the draft Law on biodiversity, in process of adoption by the Parliament of Republic of Bulgaria.

### *Floristic elements*

A floristic element is a group of species originating from the same floristic region, which determine their appearance of a certain geographical region. Bulgaria's geographic location is the reason for the considerable diversity of floristic elements in its flora. Many Mediterranean elements enter along the valleys of the bigger rivers in southern Bulgaria – the Struma, the Mesta, the Maritsa, the Arda – and along the southern Black Sea coast. Mediterranean oases exist even on the southern slopes of the Balkan Mountain. The flora of the Strandja Mountain is unique for Europe with its relict Euxinic elements. Some Middle Eastern elements penetrate from the southeast and Pontic elements, typical for the steppes of the northern Black Sea and the Caspian Sea coasts, enter from the northeast. Alpine – Carpathian geo-elements enter from the northwest, mainly along the Balkan Mountain chain. Scardic elements penetrate from the southwest, following the orientation of the mountain massifs of the Osogovska Mountain, Vlahina, Ograzhden, Belasitsa and Pirin. The alien plants that have found their place in the Bulgarian flora due to human intervention are also included in the current edition and are termed adventives, regardless of the way and the time they have come (see PETROVA, A. & VLADIMIROV, 2001).

In the current Conspectus the species of the Bulgarian flora are affiliated to a certain floristic element on the basis of the classification done by Walter, with some amendments and completions.

### *Acknowledgements*

The compilers express their gratitude to Dr. Pierre Galland and to Prof. Ilia Cheshmedjiev for their critical remarks on the whole edition, to Dr. Tenyo Meshinev, and Dr. Iva Apostolova for their kind co-operation and valuable advise during the preparation of this publication, to Rossen Tsonev for the unpublished data, and to the technical assistants Plamen Stoyanov, Vladimir Trifonov, Zvezdelina Stoyanova for their precise work. The authors owe special thanks to the Bulgarian-Swiss Biodiversity Conservation Programme and the Swiss League for Nature Protection Pro Natura for the financial support.

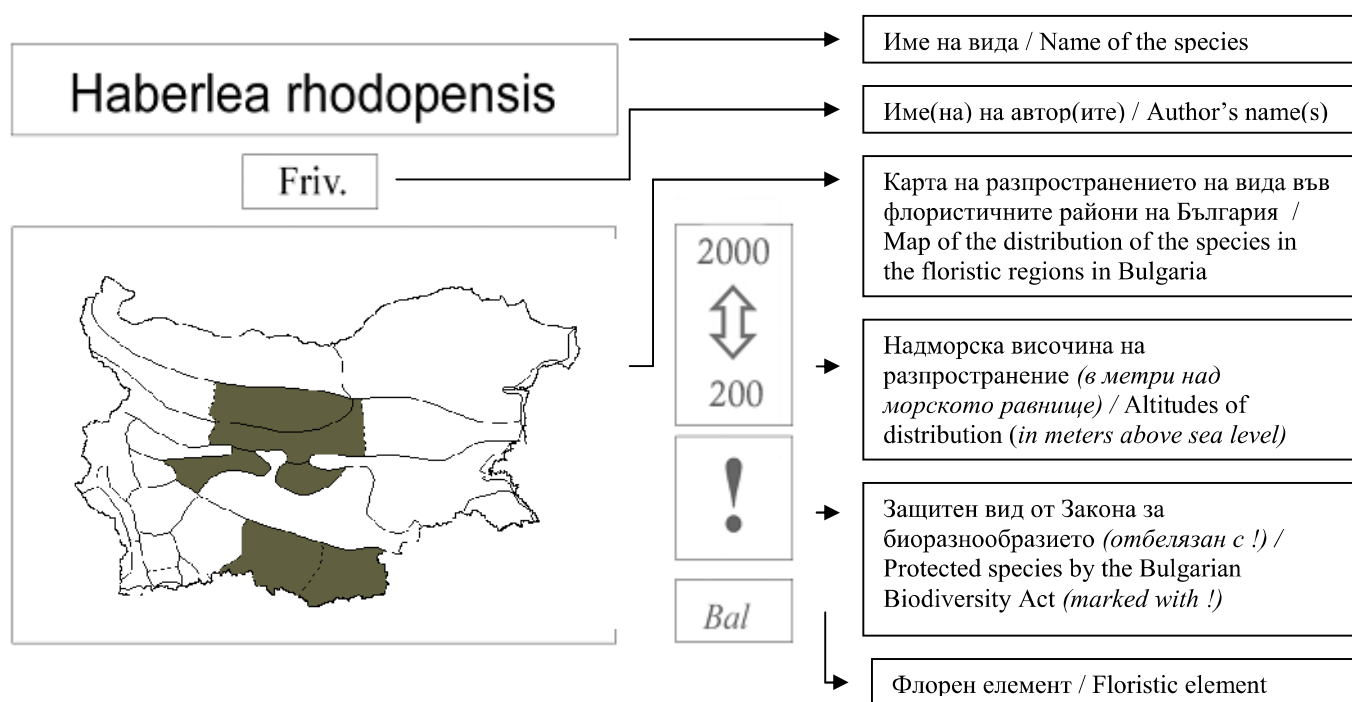
The present Conspectus may contain certain omissions and inaccuracies. The compilers would be very grateful to anyone who would help to find and eliminate them. Please send your comments, notes or new plant distribution data to the authors' emails.

## Използване на Конспекта

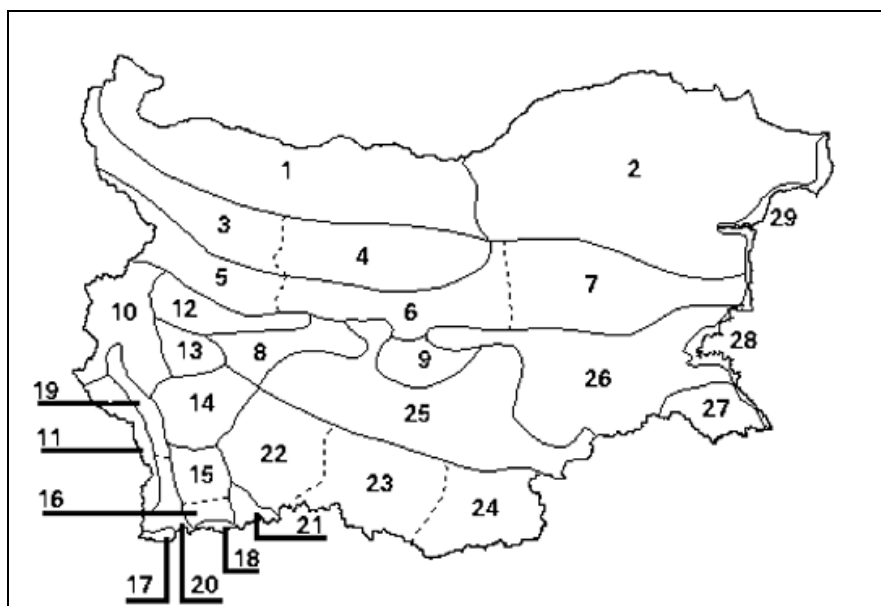
Този Конспект включва информация за разпространението и консервационното значение на 4102 вида висши растения, подредени по азбучен ред. Всеки вид разполага със следните полета с информация :

## How to use the Conspectus

This Conspectus provides information on the distribution and the conservation status of 4102 species of plants, listed in alphabetical order. The following data fields are available for each species:

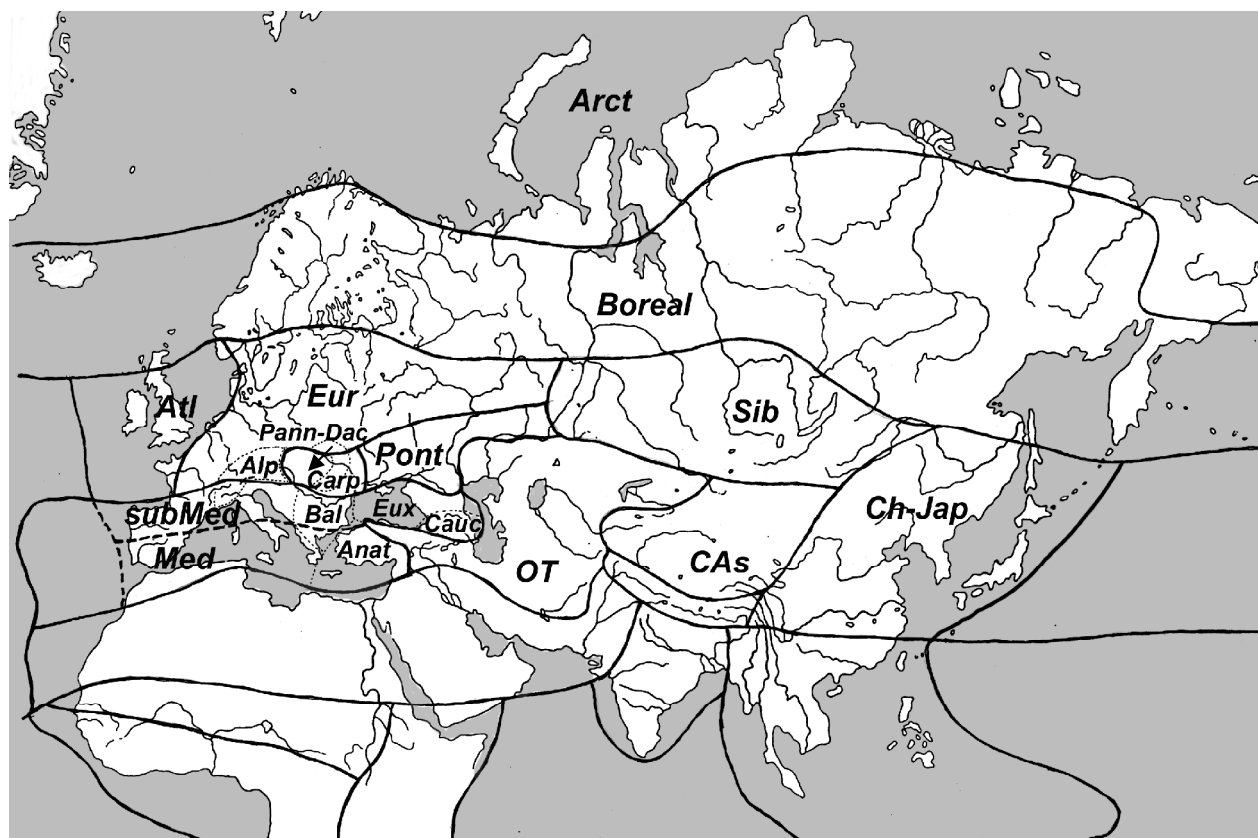


## Флористични райони и подрайони / Floristic regions and sub-regions in Bulgaria



- |   |                                      |
|---|--------------------------------------|
| 1. The Danubian Plain                   | 1. Дунавска равнина                  |
| 2. North-Eastern Bulgaria               | 2. Североизточна България            |
| 3. The Predbalkan (West)                | 3. Предбалкан (западен)              |
| 4. The Predbalkan (East)                | 4. Предбалкан (източен)              |
| 5. Stara Planina (the Balkan) (West)    | 5. Стара Планина (западна)           |
| 6. Stara Planina (the Balkan) (Central) | 6. Стара Планина (централна)         |
| 7. Stara Planina (the Balkan) (East)    | 7. Стара планина (източна)           |
| 8. Sredna Gora (West)                   | 8. Средна гора (западна)             |
| 9. Sredna Gora (East)                   | 9. Средна гора (източна)             |
| 10. Znepole Region                      | 10. Знеполски район                  |
| 11. West Frontier Mountains             | 11. Западни гранични планини         |
| 12. Sofia Region                        | 12. Софийски район                   |
| 13. Vitosha Region                      | 13. Витошки район                    |
| 14. The Rila                            | 14. Рила                             |
| 15. The Pirin (North)                   | 15. Пирин (северен)                  |
| 16. The Pirin (South)                   | 16. Пирин (южен)                     |
| 17. The Belasitza                       | 17. Беласица                         |
| 18. The Slavianka                       | 18. Славянка                         |
| 19. The Struma Valley (North)           | 19. Долината на Струма (северна)     |
| 20. The Struma Valley (South)           | 20. Долината на Струма (южна)        |
| 21. The Mesta Valley                    | 21. Долината на Места                |
| 22. The Rhodopes (West)                 | 22. Родопи (западни)                 |
| 23. The Rhodopes (Central)              | 23. Родопи (средни)                  |
| 24. The Rhodopes (East)                 | 24. Родопи (източни)                 |
| 25. Thracian Plane                      | 25. Тракийска равнина                |
| 26. The Tundja Hilly Plane              | 26. Тунджанска равнина               |
| 27. The Strandja                        | 27. Странджа                         |
| 28. The Black Sea coast (South)         | 28. Черноморско крайбрежие (южно)    |
| 29. The Black Sea coast (North)         | 29. Черноморско крайбрежие (северно) |

## Карта на флорните елементи / Map of the floristic elements

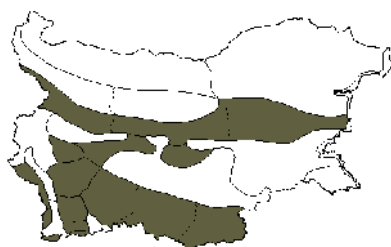


## Флорни елементи / Floristic elements

Adv	адвентивен	Adventive	Eur	европейски	European
Aeg	егейски	Aegyan	Eux	евксински	Euxinian
Afr	африкански	African	Hybr	хибриден	Hybridogenous
Alp	алпийски	Alpine	Jap	японски	Japanese
Anat	анатолийски	Anatolian	Kos	космополитен	Cosmopolitan
Ap	апенински	Apenninian	Med	средиземноморски	Mediterranean
Am	американски	American	OT	ориентало-турански	Oriental-Turanian
Arct	арктически	Arctic	Pann	панонски	Pannonian
As	азиатски	Asiatic	Pont	понтийски	Pontic
Atl	атлантически	Atlantic	Sib	сибирски	Siberian
Bal	балкански	Balkan	<u>Prefixes:</u>		
Boreal	бореален	Boreal	sub	суб-	sub
Bul	български	Bulgarian	S	южно-	South
Carp	карпатски	Carpathian	E	източно-	East
Cauc	кавказки	Caucasus	W	западно-	West
Ch	китайски	Chinese	N	северно-	North
Dac	дакийски	Dacian	C	централно-	central



**Abies alba**  
Mill.



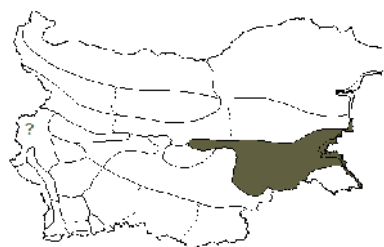
2000



400

Boreal

**Acanthus spinosus**  
L.



700

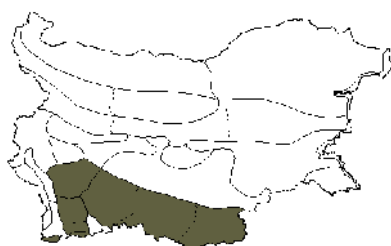


0



Med

**Abies borisii-regis**  
Mattf.



2000



400

Bal

**Acer campestre**  
L.



1600



0

Eur-OT

**Abutilon theophrasti**  
Medicus



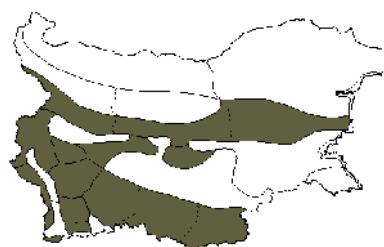
700



0

Eur-As

**Acer heldreichii**  
Orph.



1900



800



Bal

**Acalypha virginica**  
L.



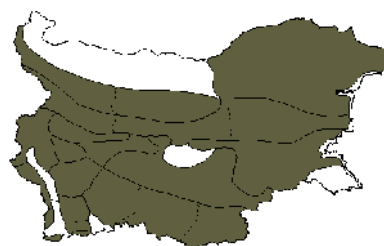
700



300

Adv

**Acer hyrcanum**  
Fisch. & C. A. Mey.



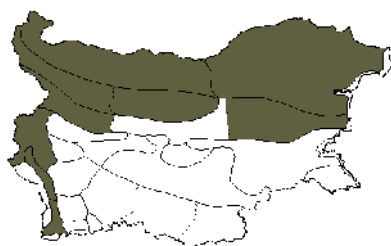
1200



300

subMed

**Acanthus balcanicus**  
Heywood & I. Richardson



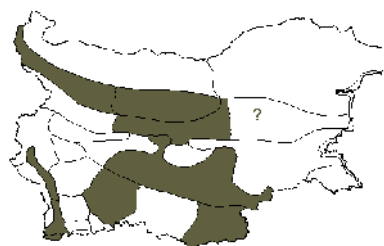
1000



0

Bal

**Acer monspessulanum**  
L.



600



100

subMed



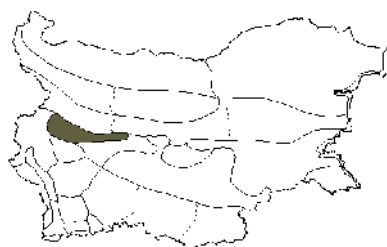
**Acer negundo**  
L.



1000  
⇕  
0

Adv

**Achillea asplenifolia**  
Vent.



700  
⇕  
400

Pann

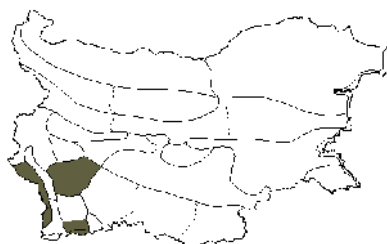
**Acer platanoides**  
L.



1500  
⇕  
500

subMed

**Achillea chrysocoma**  
Friv.



2900  
⇕  
2000

Bal

**Acer pseudoplatanus**  
L.



1400  
⇕  
100

Eur-Med

**Achillea clypeolata**  
Sm.



2000  
⇕  
0

Bal

**Acer tataricum**  
L.



1300  
⇕  
0

subMed

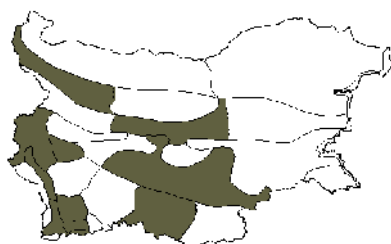
**Achillea coarctata**  
Poir.



1000  
⇕  
0

Pont-Med

**Achillea ageratifolia**  
(Sm.) Boiss.



2500  
⇕  
500

Bal

**Achillea collina**  
J. Becker ex Rchb.



1000  
⇕  
0

Eur-subMed

### *Achillea crithmifolia*

Waldst. & Kit.



1500

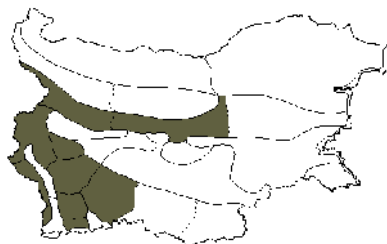


0

Pann-Bal

### *Achillea lingulata*

Waldst. & Kit.



2800

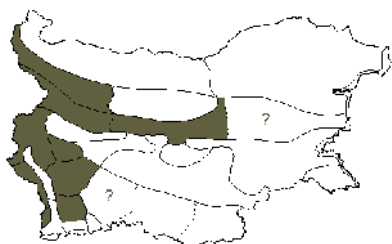


1000

Carp-Bal

### *Achillea distans*

Waldst. & Kit. ex Willd.



2000



0

Alp-Carp-Bal

### *Achillea millefolium*

L.



2000

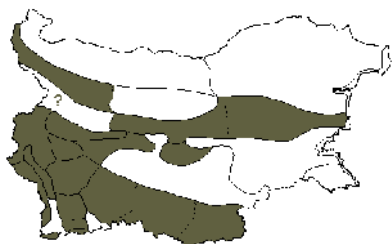


0

Eur-Sib

### *Achillea grandifolia*

Friv.



2000

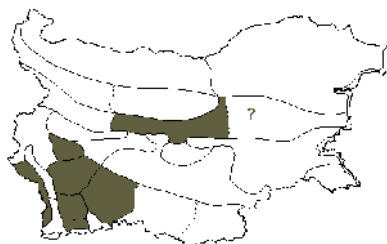


500

Bal-Anat

### *Achillea multifida*

(DC.) Boiss.



2400

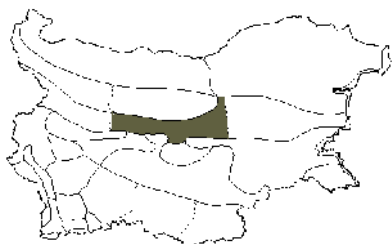


900

Carp-Bal

### *Achillea kotschyi*

Boiss.



1500



1300



Bal-Anat

### *Achillea nobilis*

L.



1000

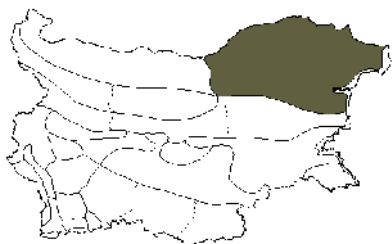


0

Eur-WAs

### *Achillea leptophylla*

M. Bieb.



200



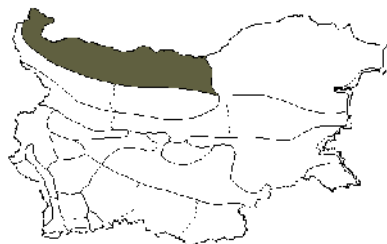
0



Pont-Bal

### *Achillea ochroleuca*

Ehrh.



200



100



Pann

### *Achillea pannonica*

Scheele



2000

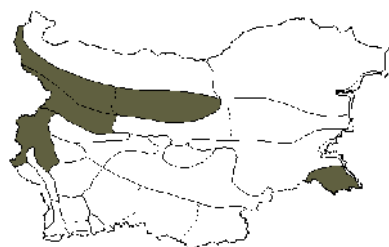


0

Pann-Bal

### *Achnatherum calamagrostis*

(L.) P. Beauv.



800

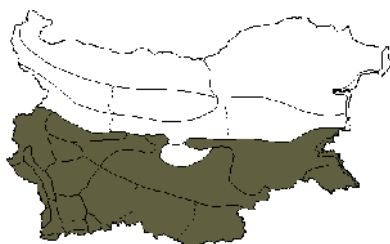


0

subMed

### *Achillea pseudopectinata*

Janka



1000



0

Bal

### *Acinos alpinus*

(L.) Moench



2700



500

Alp-Carp

### *Achillea setacea*

Waldst. & Kit.



1000



0

subMed

### *Acinos arvensis*

(Lam.) Dandy



1000

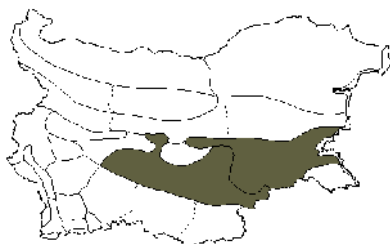


0

Eur-Med

### *Achillea thracica*

Velen.



300



0



Bul

### *Acinos rotundifolius*

Pers.



700

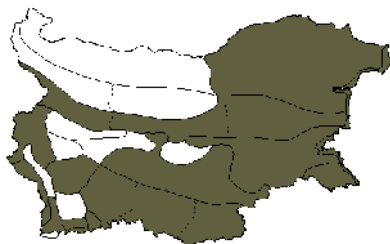


0

Med-CAs

### *Achnatherum bromoides*

(L.) Beauv.



800



0

subMed

### *Acinos suaveolens*

(Sm.) Don



1500



0

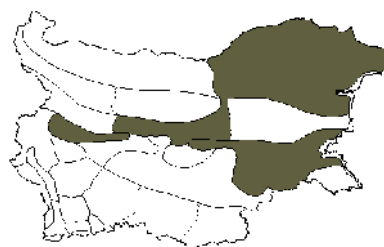
subMed

**Aconitum anthora**  
L.



subMed

**Acorus calamus**  
L.



500

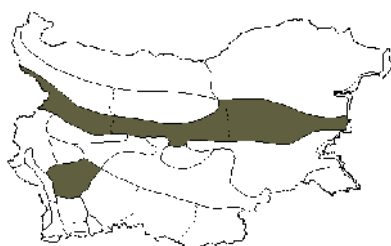


0



Boreal

**Aconitum burnatii**  
J. Gay



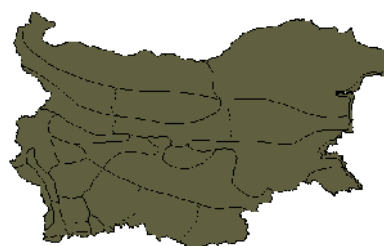
2500



1500

SEur

**Actaea spicata**  
L.



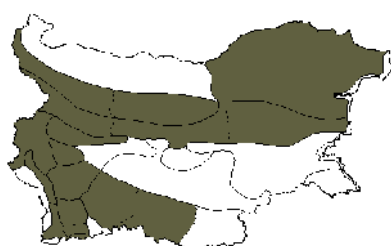
1800



800

Eur-As

**Aconitum lycoctonum**  
L.



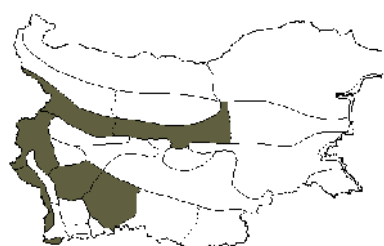
2400



650

subMed

**Adenostyles alliariae**  
(Gouan) A. Kern.



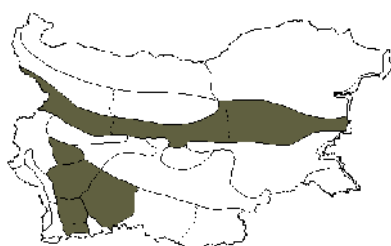
2000



0

Alp-Carp-Bal

**Aconitum variegatum**  
L.



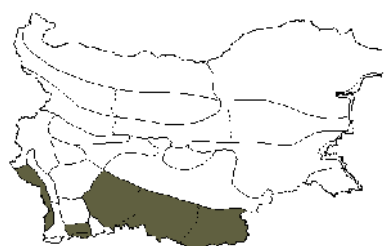
2350



1200

subMed

**Adiantum capillus-veneris**  
L.



1000

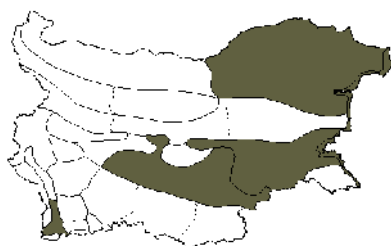


0



subBoreal

**Acorellus pannonicus**  
(Jacq.) Palla



200



0

Boreal

**Adonis aestivalis**  
L.



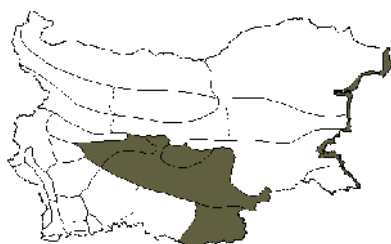
1000



0

Eur-subMed

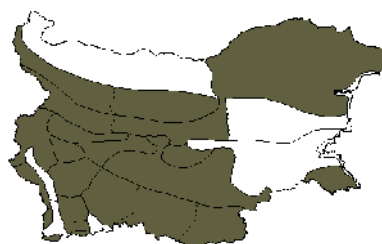
**Adonis annua**  
L.



300  
⇕  
0

subMed

**Adoxa moschatellina**  
L.



1500  
⇕  
0

Boreal

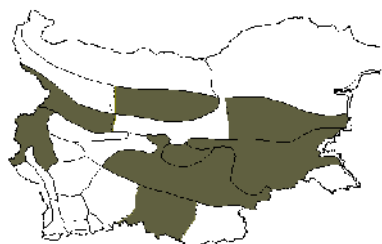
**Adonis flammea**  
Jacq.



1200  
⇕  
0

Eur-subMed

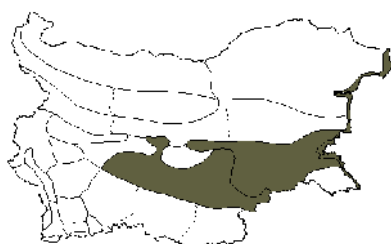
**Aegilops biuncialis**  
Vis.



800  
⇕  
0

Med

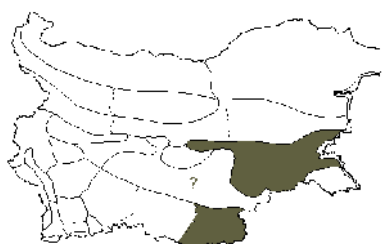
**Adonis microcarpa**  
DC.



300  
⇕  
0

Med

**Aegilops columnaris**  
Zhuk.



300  
⇕  
0

Pont-CAs

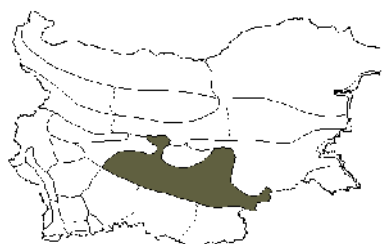
**Adonis vernalis**  
L.



1100  
⇕  
0

Eur-Sib

**Aegilops comosa**  
Sm.



300  
⇕  
0

Med

**Adonis volgensis**  
DC.



300  
⇕  
0

!  
Eur-As

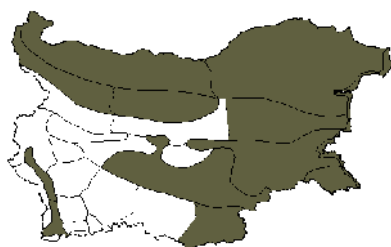
**Aegilops cylindrica**  
Host



1000  
⇕  
0

Eur-As

**Aegilops geniculata**  
Roth



1000



0

Med

**Aegopodium podagraria**  
L.



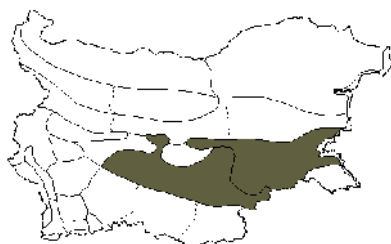
2000



0

Eur-Sib

**Aegilops markgrafii**  
(Greuter) Hammer



100



0

Bal-Anat

**Aeluropus littoralis**  
(Gouan) Parl.



0



0

Med

**Aegilops neglecta**  
Req. ex Bertol.



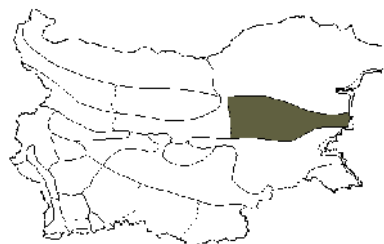
1000



0

subMed

**Aesculus hippocastanum**  
L.



600

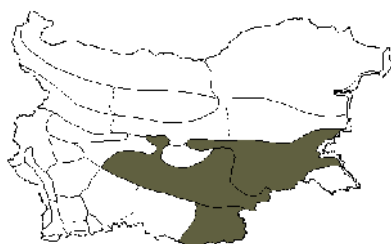


200



Bal

**Aegilops speltoides**  
Tausch



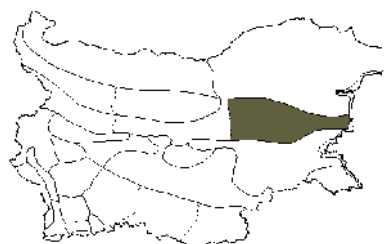
500



0

Med

**Aethionema arabicum**  
(L.) Andr. ex O.E.Schulz



300

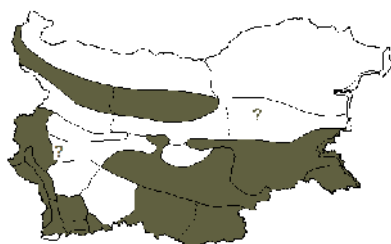


0



subMed

**Aegilops triuncialis**  
L.



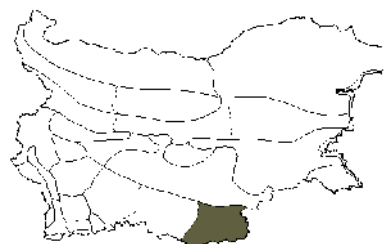
600



0

Eur-As

**Aethionema rhodopaeum**  
D. Pavlova



500

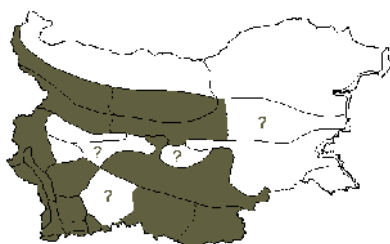


100

Bul

### Aethionema saxatile

(L.) R. Br.



1200

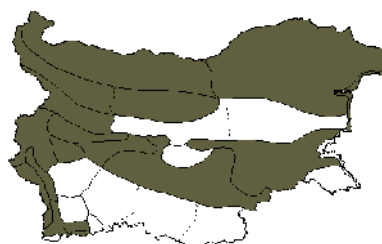


0

subMed

### Agropyron cristatum

(L.) Gaertn.



1000



0

Eur-Pont

### Aethusa cynapium

L.



1000



0

Eur-Sib

### Agrostemma githago

L.



1400



0

Eur-As

### Agrimonia eupatoria

L.



1500



100

Eur-Med

### Agrostis canina

L.



1500



0

Eur-Sib

### Agrimonia procera

Wallr.



1600



500

Eur-Med

### Agrostis capillaris

L.



2000

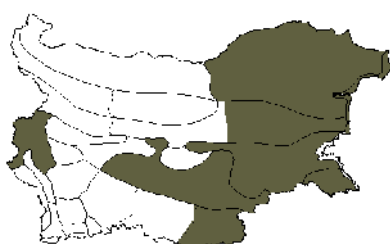


0

Boreal

### Agropyron brandzae

Panțu & Solacolu



700

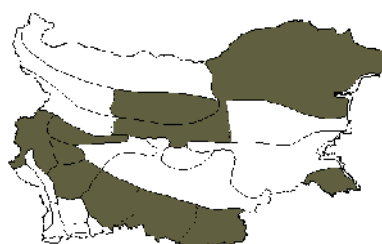


0

Pont

### Agrostis castellana

Boiss. & Reut.



1000



0

Med-subMed

**Agrostis gigantea**  
Roth



1700



0

Boreal

**Aira caryophyllea**  
L.



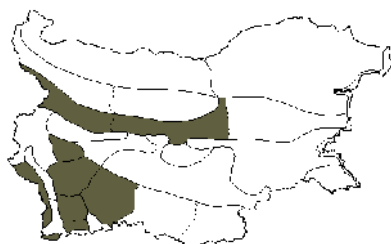
200



0

subMed

**Agrostis rupestris**  
All.



2900



1500

Alp-Carp-Bal

**Aira elegantissima**  
Schur



800



0

Med

**Agrostis stolonifera**  
L.



1500



0

Boreal

**Ajuga chamaepitys**  
(L.) Schreb.



2300



0

Pont-Med

**Agrostis verticillata**  
Vill.



1000



0

Eur-As

**Ajuga genevensis**  
L.



1300



0

SPont

**Ailanthus altissima**  
(Mill.) Swingle



1000



0

Adv

**Ajuga laxmannii**  
(L.) Benth.



1800

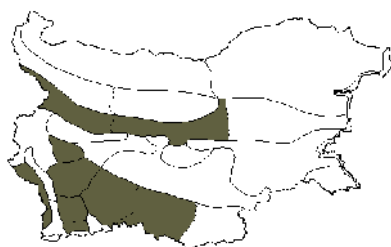


0

SSib



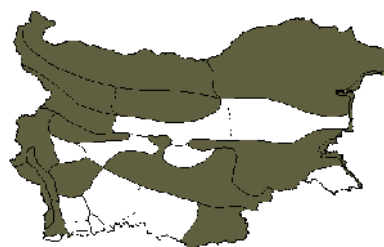
### *Ajuga pyramidalis* L.



2400  
⇕  
1200

Eur-Med

### *Alcea rosea* L.



1000  
⇕  
0

Med

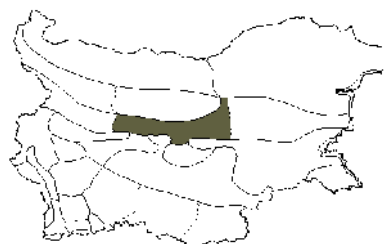
### *Ajuga reptans* L.



2000  
⇕  
0

Eur-Med

### *Alchemilla achtarowii* Pawl.

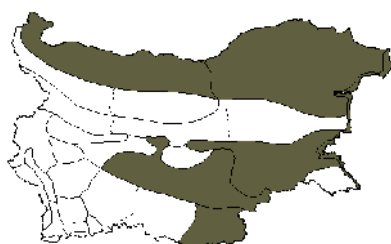


2100  
⇕  
1700

!

Bul

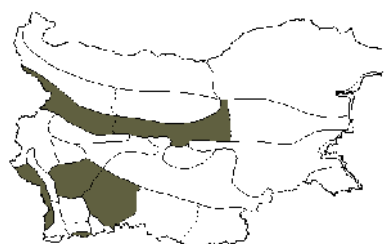
### *Ajuga salicifolia* (L.) Schreb.



800  
⇕  
0

subMed

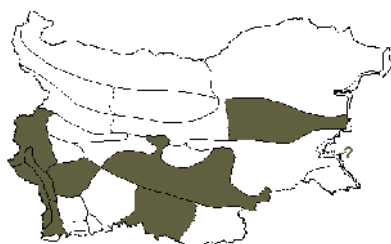
### *Alchemilla acutiloba* Opiz



2600  
⇕  
1200

Eur-Sib

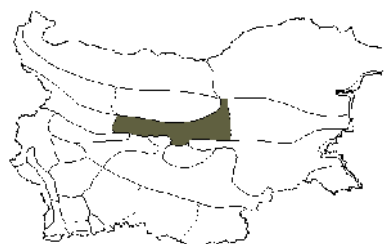
### *Alcea heldreichii* (Boiss.) Boiss.



1100  
⇕  
150

Pont-Med

### *Alchemilla anisiaca* Wettst.



2200  
⇕  
2000

Eur

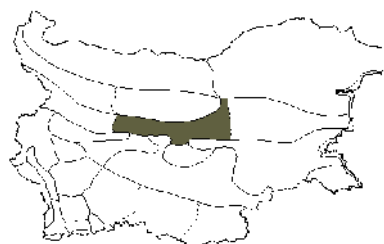
### *Alcea pallida* (Waldst. & Kit. ex Willd.) Waldst. et Kit.



1000  
⇕  
0

subMed

### *Alchemilla asteroantha* Rothm.



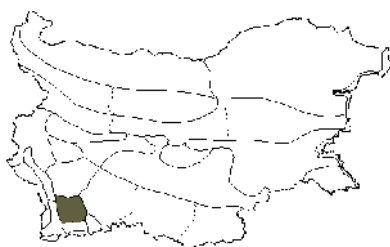
2000  
⇕  
1800

!

Bul

### **Alchemilla bandericensis**

Pawl.



2300



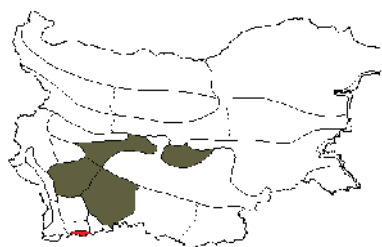
2300



Bal

### **Alchemilla crinita**

Buser



2200

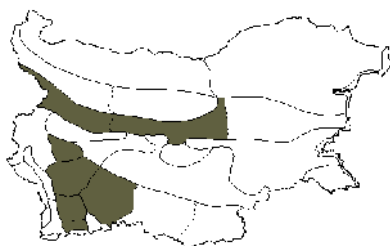


1400

Eur

### **Alchemilla bulgarica**

Rothm.



2500

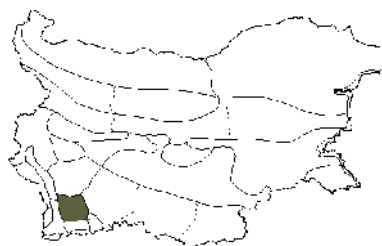


1800

Bal

### **Alchemilla damianicensis**

Pawl.



2000

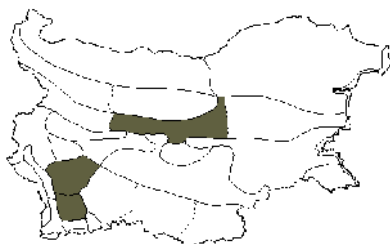


1400

Bal

### **Alchemilla catachnoa**

Rothm.



2300

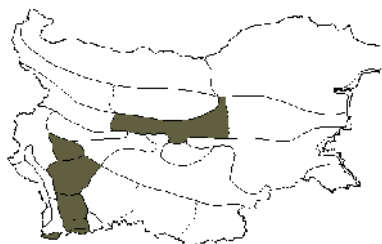


1800

Bal

### **Alchemilla erythropoda**

Juz



2800

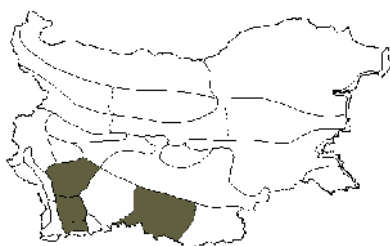


1600

Pont

### **Alchemilla cinerea**

Buser



2500

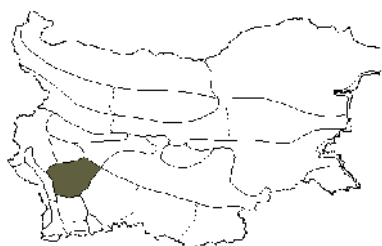


1800

Eur

### **Alchemilla fissa**

Günter & Schummel



2200

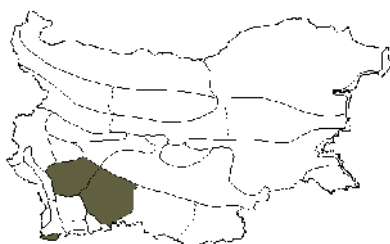


1800

Eur

### **Alchemilla connivens**

Buser



2600

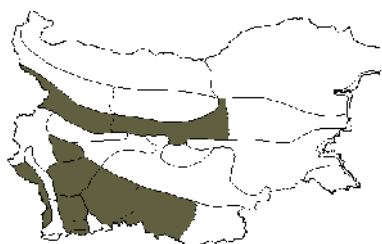


1400

Eur

### **Alchemilla flabellata**

Buser



2800

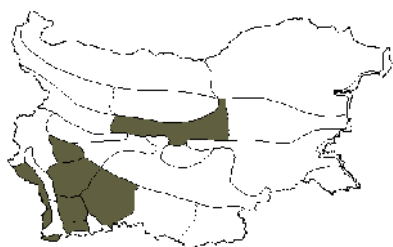


1600

Alp-Carp

### **Alchemilla glabra**

Neygenf.



2400

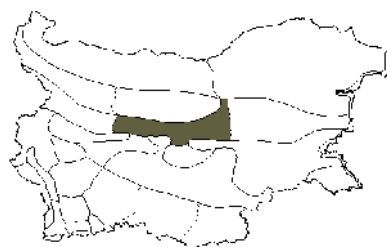


1800

Eur-Sib

### **Alchemilla grossidens**

Buser



2100

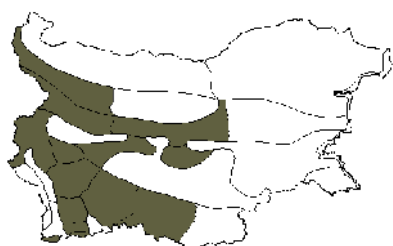


1900

Eur

### **Alchemilla glaucescens**

Wallr.



2500

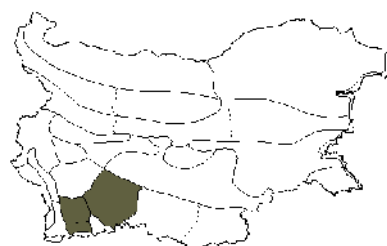


1200

Eur

### **Alchemilla heterophylla**

Rothm.



2300

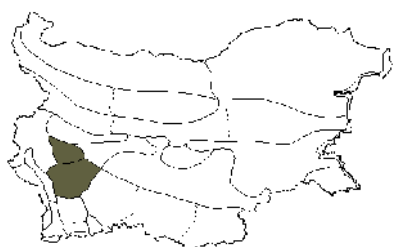


2000

Bal-Anat

### **Alchemilla gorcensis**

Pawl.



1800

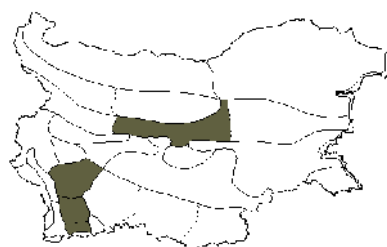


1000

Carp-Bal

### **Alchemilla incisa**

Buser



2500

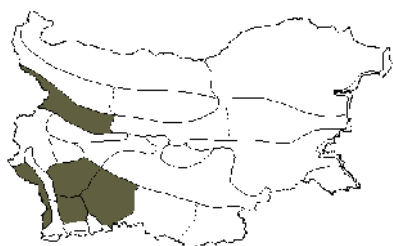


1600

Alp-Carp-Bal

### **Alchemilla gracilis**

Opiz



2500

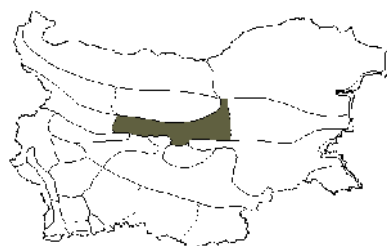


1500

Eur-Sib

### **Alchemilla indivisa**

(Buser) Rothm.



2000

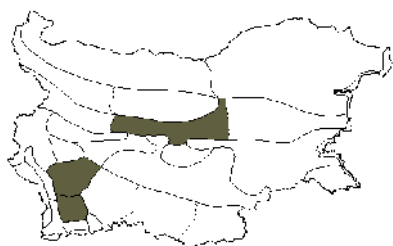


1600

Bal

### **Alchemilla gracillima**

Rothm.



2400

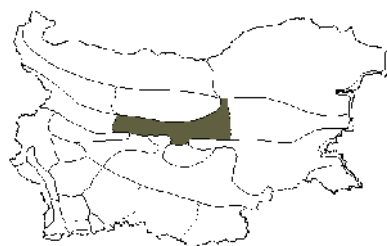


1600

Bal

### **Alchemilla jumrukczalica**

Pawl.



1800



1700



Bul

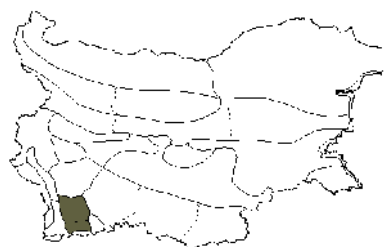
### *Alchemilla lunaria*

Fröhner



### *Alchemilla pirinica*

Pawl.



2300



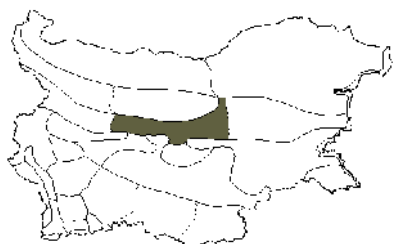
1900



Bal

### *Alchemilla mollis*

(Buser) Rothm.



1700



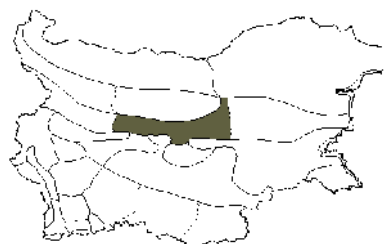
1600



Carp-Bal

### *Alchemilla plicatula*

Gand.



2300

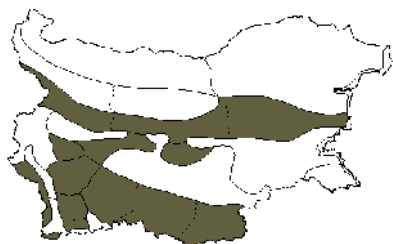


1900

Eur

### *Alchemilla monticola*

Opiz



2100

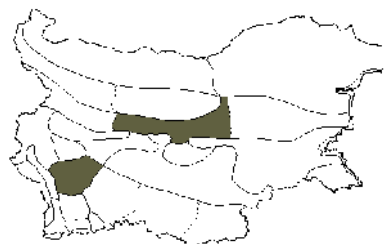


1200

Eur-Sib

### *Alchemilla pyrenaica*

Dufour



2400

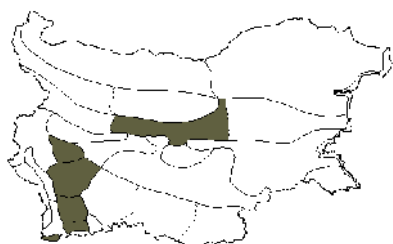


1800

Eur-subMed

### *Alchemilla obtusa*

Buser



2000

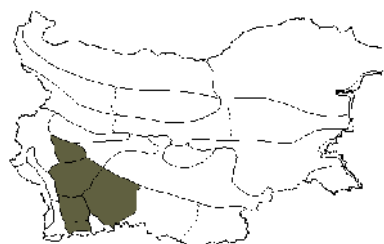


1200

Eur-subMed

### *Alchemilla reniformis*

Buser



2400

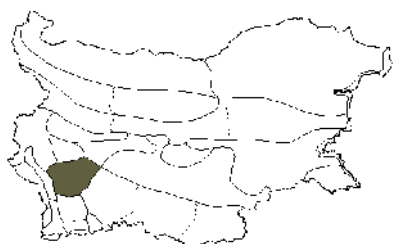


1800

Eur-subMed

### *Alchemilla pawlowskii*

Assenov



2500

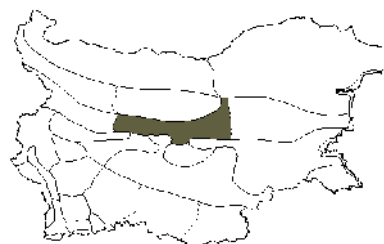


2500

Bul

### *Alchemilla sirjaevi*

Plocek



2500

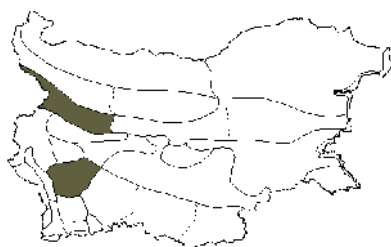


1500

Bul

### *Alchemilla straminea*

Buser



1800



1100

Alp-Carp-Bal

### *Alisma gramineum*

Lej.



1000

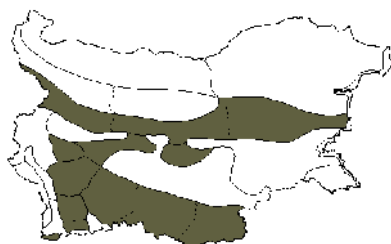


0

Boreal

### *Alchemilla subcrenata*

Buser



1800



1000

Arct-Alp

### *Alisma lanceolatum*

With.



1000

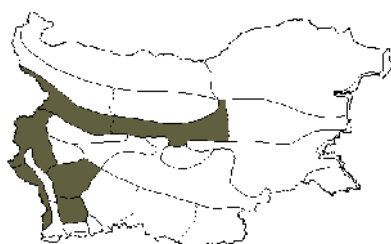


0

Boreal

### *Alchemilla viridiflora*

Rothm.



1800



1200

Bal

### *Alisma plantago-aquatica*

L.



1000

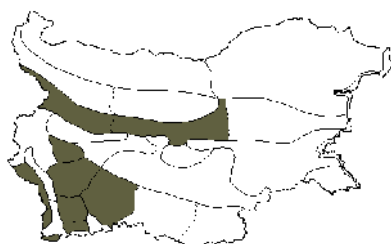


0

Boreal

### *Alchemilla xanthochlora*

Rothm.



2100

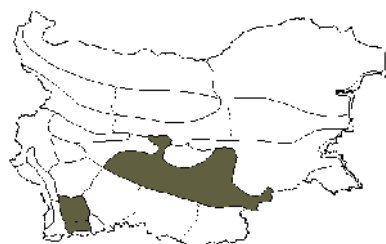


1200

Eur

### *Alkanna graeca*

Boiss. & Spruner



600



300

Bal

### *Aldrovanda vesiculosa*

L.



100



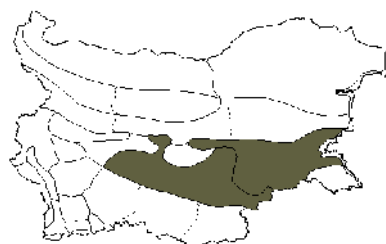
0



Kos

### *Alkanna jordanovii*

Kožuharov



400

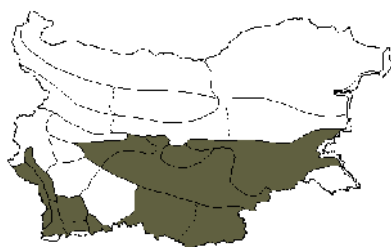


0



Bul

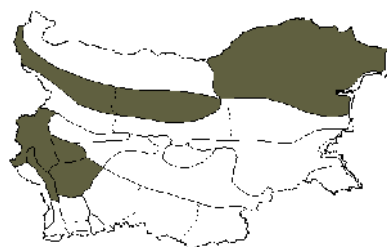
**Alkanna primuliflora**  
Griseb.



900  
⇕  
0

Bal

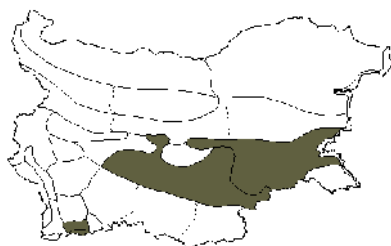
**Allium albidum**  
Fisch.ex M. Bieb.



1500  
⇕  
0

Eur-Sib

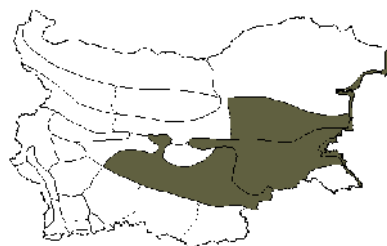
**Alkanna stojanovii**  
Kožuharov



1000  
⇕  
350

Bul

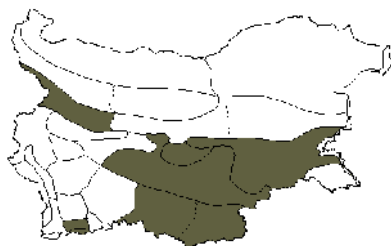
**Allium amethystinum**  
Tausch



1000  
⇕  
0

EMed

**Alkanna stribrnyi**  
Velen.

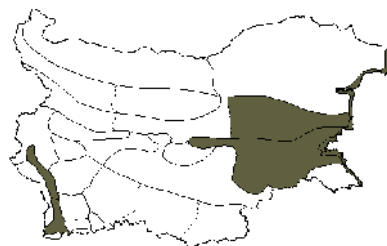


800  
⇕  
0

!

Bal

**Allium ampeloprasum**  
L.



1000  
⇕  
0

Eur-As

**Alkanna tinctoria**  
(L.) Tausch

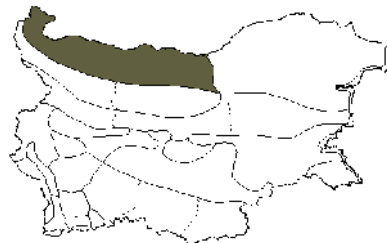


600  
⇕  
0

!

subMed

**Allium angulosum**  
L.

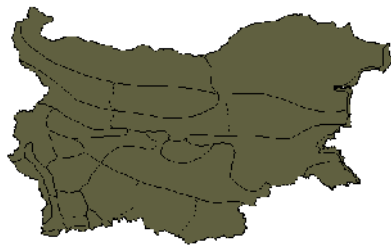


500  
⇕  
0

!

Eur-Sib

**Alliaria petiolata**  
(M. Bieb.) Cavara & Grande



1500  
⇕  
0

Eur-As

**Allium atropurpureum**  
Waldst. & Kit.



1000  
⇕  
0

Pont

### *Allium atroviolaceum*

Boiss.



1000

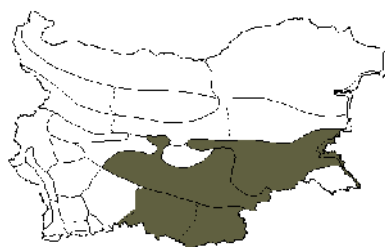


0

Eur-As

### *Allium cyrilli*

Ten.



1000



0

Med

### *Allium carinatum*

L.



2900

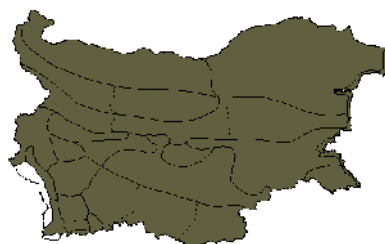


0

Pont-Med

### *Allium flavum*

L.



2900

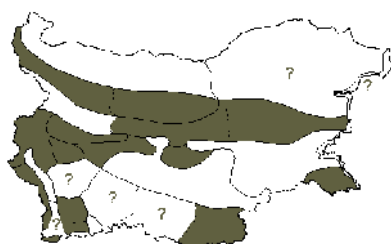


0

Med

### *Allium cirrhosum*

Vandas



2000

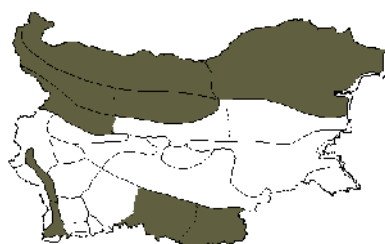


1000

Med

### *Allium fuscum*

Waldst. & Kit.



1000



0

Carp-Bal

### *Allium coppoleri*

Tineo



100



0

### *Allium guttatum*

(Steven) Regel



1000

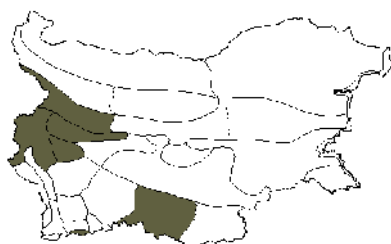


0

Pont-Med

### *Allium cupani*

Raf.



2900



1000

Med

### *Allium longispathum*

Redouté

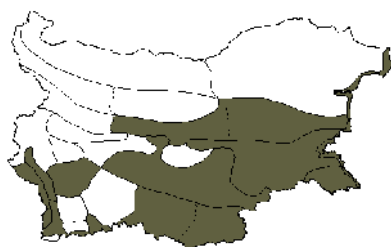


1000



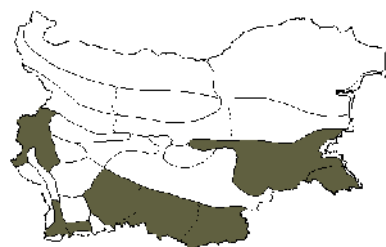
0

**Allium margaritaceum**  
Sm.



1000  
⇕  
0

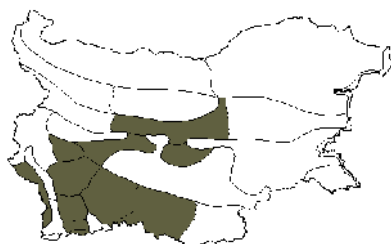
**Allium nigrum**  
L.



1500  
⇕  
0

subMed

**Allium melanantherum**  
Pančić



2900  
⇕  
1000

Bal

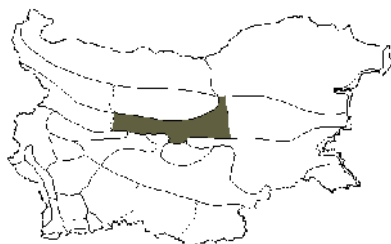
**Allium oleraceum**  
L.



2500  
⇕  
0

Eur

**Allium montanum**  
F. W. Schmidt

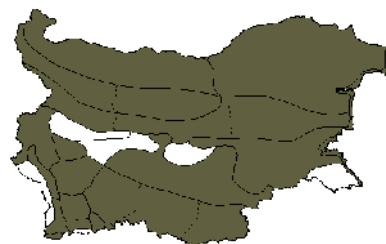


2900  
⇕  
2000

!

Eur

**Allium paczoskianum**  
Tuzson



2000  
⇕  
0

EsubMed

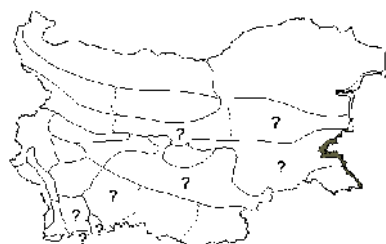
**Allium moschatum**  
L.



1000  
⇕  
0

Pont-subMed

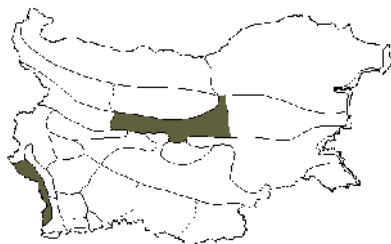
**Allium pallens**  
L.



1000  
⇕  
0

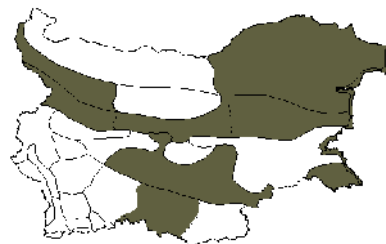
Pont

**Allium nanum**  
(Asch. & Graebn.) Cheskm.



1500  
⇕  
1000

**Allium paniculatum**  
L.



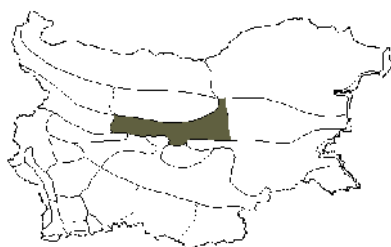
1500  
⇕  
0

Pont-subMed



### *Allium phthioticum*

Boiss. & Heldr.



2000

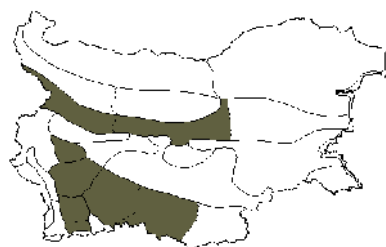


1000

Med

### *Allium schoenoprasum*

L.



2900

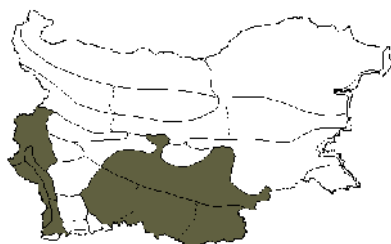


1800

Boreal

### *Allium rhodopaeum*

Velen.



1000

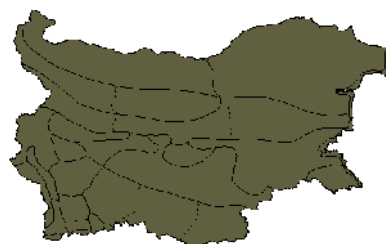


0

Bul

### *Allium scorodoprasum*

L.



1000



0

Eur-Med

### *Allium rotundum*

L.



1000

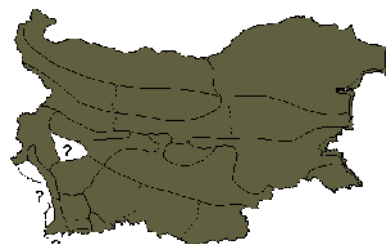


0

Eur-OT

### *Allium sphaerocephalon*

L.



1000



0

Med

### *Allium rumelicum*

M. Koçyiğit & N. Özhatay



1000

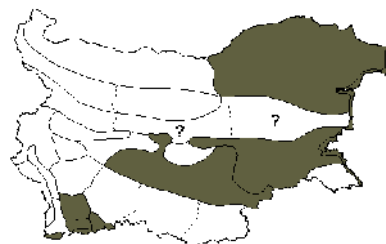


0

Bal

### *Allium tenuiflorum*

Ten.



1000

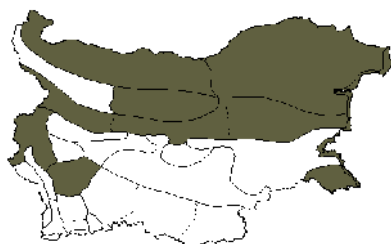


0

Med

### *Allium saxatile*

M. Bieb.



1000

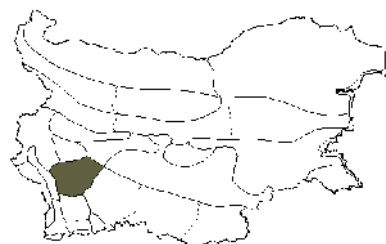


0

Med-As

### *Allium thracicum*

Halácsy & Georgieff



2900

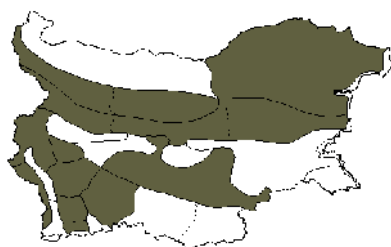


2000

Bul

### *Allium ursinum*

L.



2000

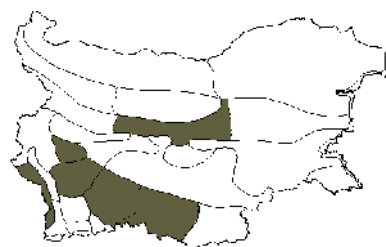


300

*Eur*

### *Alnus incana*

(L.) Moench



1400

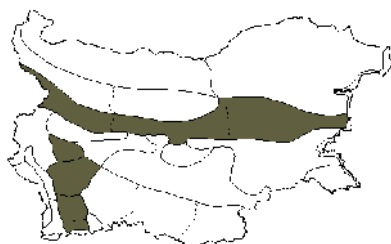


600

*subMed*

### *Allium victorale*

L.



2900

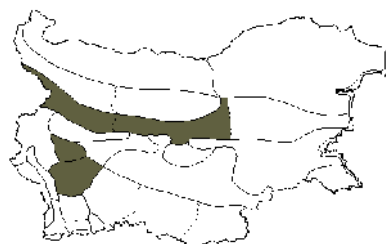


2000

*Boreal*

### *Alnus viridis*

(Chaix) DC.



2100



900

*Alp-Carp-Bal*

### *Allium vineale*

L.



1000



0

*Eur-NAm*

### *Alopecurus aequalis*

Sobol.



1600

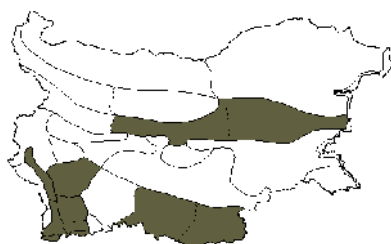


0

*Eur-As*

### *Allium webbii*

Clementi



2000

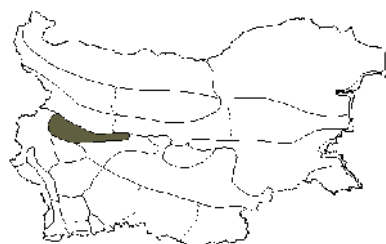


0

*subBoreal*

### *Alopecurus arundinaceus*

Poir.



600



0

### *Alnus glutinosa*

(L.) Gaertn.



1000



0

*Med-CAs*

### *Alopecurus geniculatus*

L.



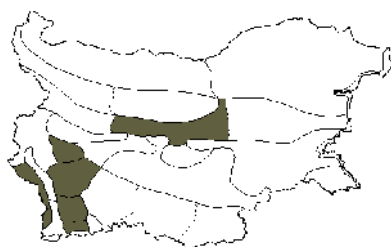
1600



0

*Eur-As*

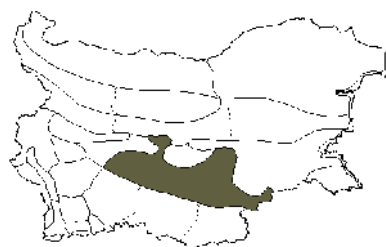
**Alopecurus gerardii**  
Vill.



2900  
⇕  
1800

Alp-Ap-Bal

**Alopecurus thracicus**  
Penev & Kožuharov



200  
⇕  
0

Bul

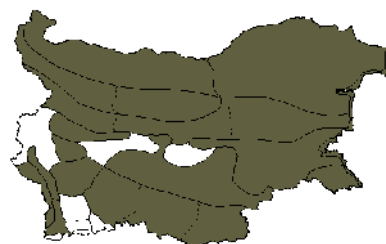
**Alopecurus myosuroides**  
Huds.



1000  
⇕  
0

Eur-As

**Althaea canabina**  
L.



1000  
⇕  
0

Med-As

**Alopecurus pratensis**  
L.



1600  
⇕  
0

Eur-As

**Althaea hirsuta**  
L.



1000  
⇕  
0

Med-As

**Alopecurus rendlei**  
Eig



1500  
⇕  
0

Med

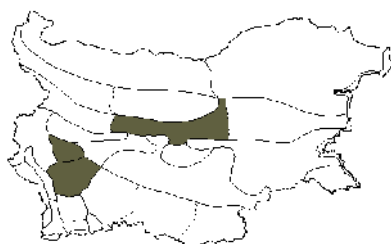
**Althaea officinalis**  
L.



1000  
⇕  
0

Boreal

**Alopecurus riloensis**  
(Hack.) Pawl.



2900  
⇕  
1800

Bul

**Alyssoides utriculata**  
(L.) Moench



1900  
⇕  
50

subMed

**Alyssum alyssoides**  
(L.) L.



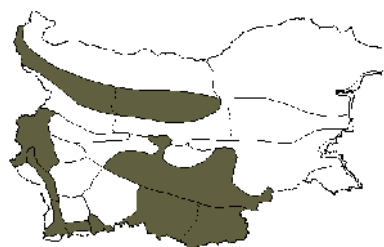
1100



0

Eur-Med

**Alyssum corymbosoides**  
Formánek



900



0

Bal

**Alyssum bertolonii**  
Desv.



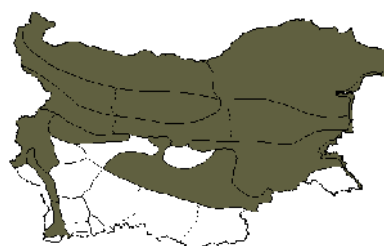
900



0

Med

**Alyssum hirsutum**  
M. Bieb.



900



0

subMed

**Alyssum borzaeanum**  
Nyár.



400

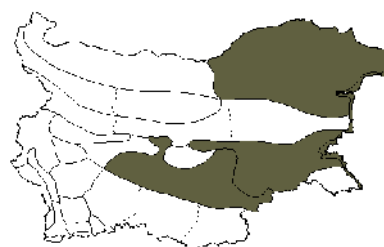


0



Pont-Med

**Alyssum minutum**  
Schltdl. ex DC.



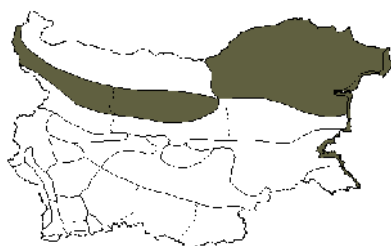
1000



0

Eur-Med

**Alyssum caliacrae**  
Nyár.



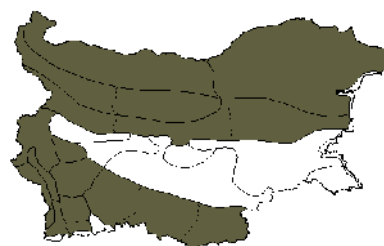
500



0

Pont

**Alyssum montanum**  
L.



2100



0

Eur-Med

**Alyssum campestre**  
L.



1000



0

Eur-As

**Alyssum murale**  
Waldst. & Kit.



1700



0

Eur-subMed

### **Alyssum obtusifolium**

Steven ex DC.



700

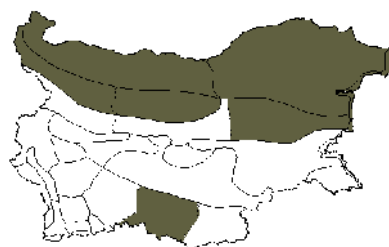


0

Eur-Sib

### **Alyssum rostratum**

Steven



700

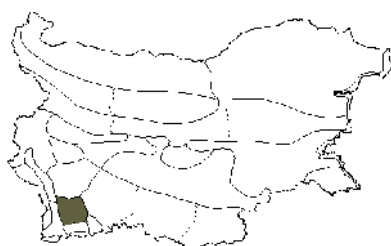


0

subMed

### **Alyssum orbelicum**

Ančev & Uzunov



2700



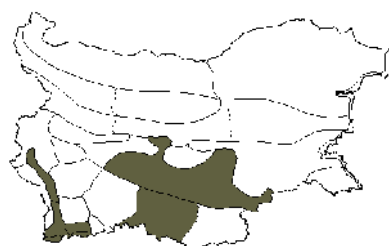
2000



Bul

### **Alyssum sibirnyi**

Velen.



1100



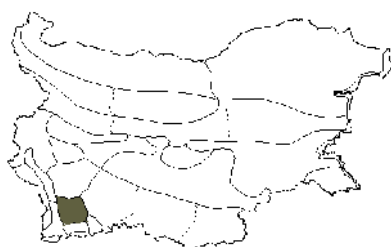
500



Bal-Anat

### **Alyssum pirinicum**

(Stoj. & Acht.) Ančev



2800



2200



Bul

### **Alyssum strigosum**

Banks & Sol.



700

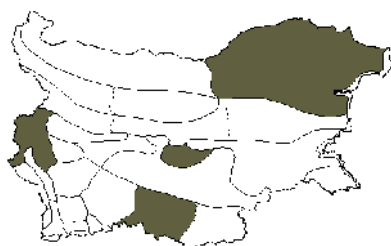


0

subMed

### **Alyssum pulvinare**

Velen.



900

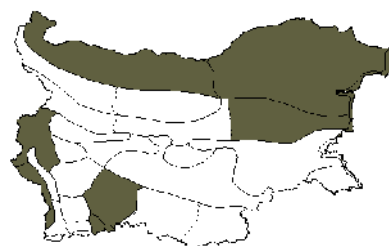


0

Bal-Dac

### **Alyssum tortuosum**

Willd.



900



100

Pont-Med

### **Alyssum reiseri**

Velen.



1200

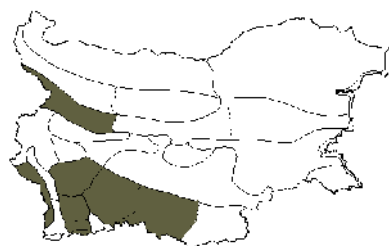


500

subMed

### **Alyssum trichostachyum**

Rupr.



2800



1300

subMed

### **Alyssum turkestanicum**

Regel & Schmalh.



1200

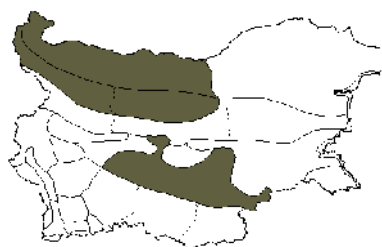


0

Eur-Med

### **Amaranthus commutatus**

A. Kern.



0

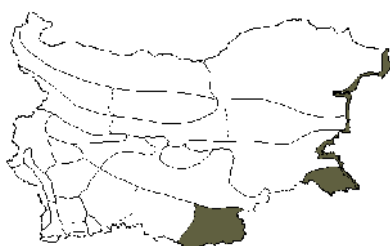


0

Adv

### **Alyssum umbellatum**

Desv.



500

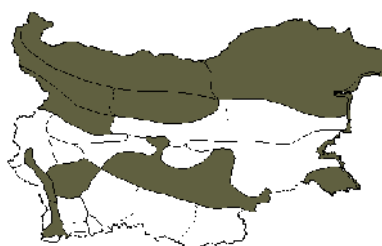


0

subMed

### **Amaranthus crispus**

(Lesp. & Thévenau) N. Terracc.



500

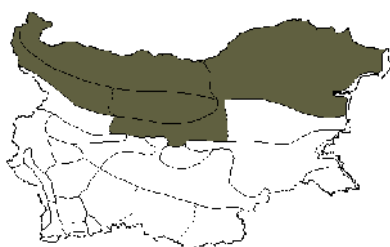


0

Adv (SAm)

### **Alyssum wierzbickii**

Heuff.



1000

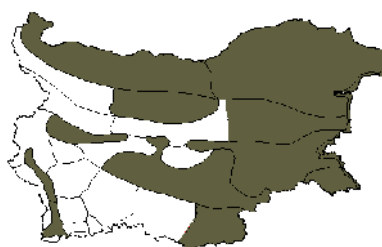


0

subMed

### **Amaranthus deflexus**

L.



600



0

Adv (SAm)

### **Amaranthus albus**

L.



1000



0

Adv (CAm)

### **Amaranthus graecizans**

L.



1000



0

Med

### **Amaranthus blitoides**

Watson



1000



0

Adv (NAm)

### **Amaranthus hybridus**

L.



800



0

Adv (SAm)

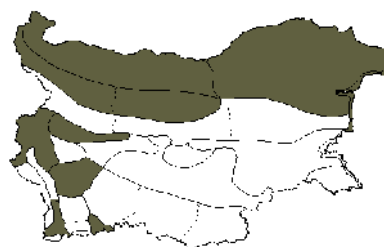
### Amaranthus hypochondriacus L.



300  
⇕  
0

Adv (NAm)

### Ambrosia artemisiifolia L.



300  
⇕  
0

Adv (NAm)

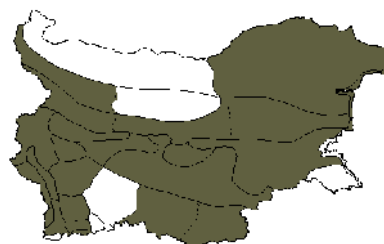
### Amaranthus lividus L.



1000  
⇕  
0

Adv (CAm)

### Amelanchier ovalis Medicus



1900  
⇕  
0

Pont-Med

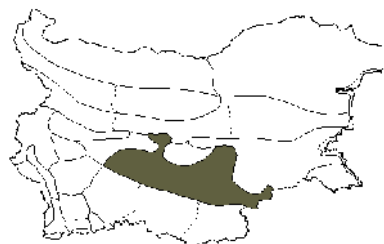
### Amaranthus retroflexus L.



1000  
⇕  
0

Kos

### Ammannia auriculata Willd.



200  
⇕  
0

Adv

### Amaranthus scleropoides Uline & Bray



0  
⇕  
0

Adv

### Ammannia verticillata (Ard.) Lam.



50  
⇕  
0

!

subMed

### Amaranthus spinosus L.



100  
⇕  
0

Adv (NAm)

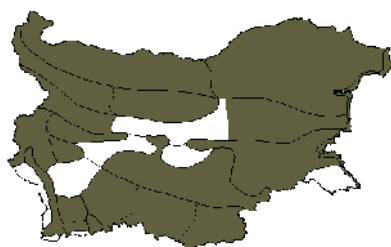
### Ammophila arenaria (L.) Link



0  
⇕  
0

Eur-Med

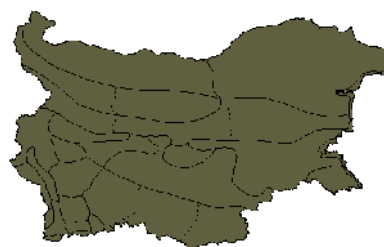
### *Amorpha fruticosa* L.



500  
⇕  
0

Adv

### *Anagalis minima* (L.) Krause



1000  
⇕  
0

Eur

### *Amygdalus delipavlovii* S. Seraf.



300  
⇕  
100



Bul (Hybr)

### *Anchusa azurea* Mill.



1000  
⇕  
0

subMed

### *Amygdalus nana* L.



1600  
⇕  
0

Eur-As

### *Anchusa barrelieri* (All.) Vitman



1000  
⇕  
0

subMed

### *Anacamptis pyramidalis* (L.) Rich.

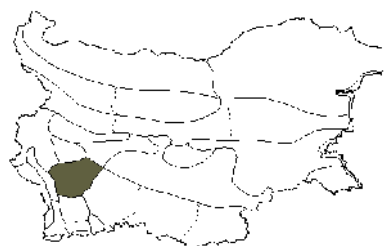


1000  
⇕  
0



subMed

### *Anchusa davidovii* Stoj.



2100  
⇕  
1500



Bul

### *Anagalis arvensis* L.



800  
⇕  
0

Kos

### *Anchusa hybrida* Ten.



1000  
⇕  
0

Eur



### *Anchusa leptophylla*

Roem. & Schult.



600

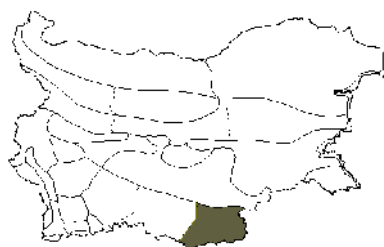


0

subMed

### *Anchusa spruneri*

Boiss.



500



0

Bal

### *Anchusa macedonica*

Degen & Dörf.



200



0



Bal

### *Anchusa stylosa*

M. Bieb.



600



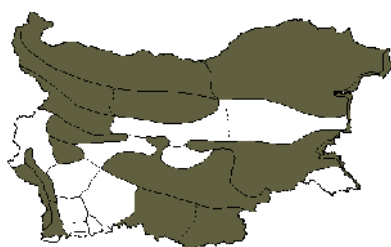
0



subMed

### *Anchusa ochroleuca*

M. Bieb.



1000

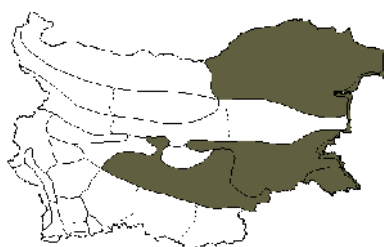


0

subMed

### *Anchusa thessala*

Boiss. & Spruner



300



0

Pont-Med

### *Anchusa officinalis*

L.



1000

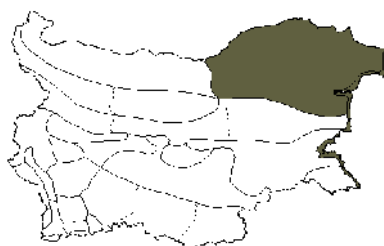


0

Pont-Med

### *Anchusa velenovskyi*

(Guşul.) Stoj.



200



0



Bal

### *Anchusa procera*

Besser



600

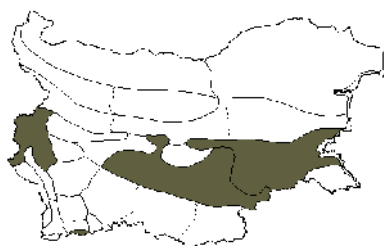


0

Pont-Bal

### *Andrachne telephioides*

L.



500



0

Pont-Med

**Androsace elongata**  
L.



1000  
⇕  
0

Eur-Sib

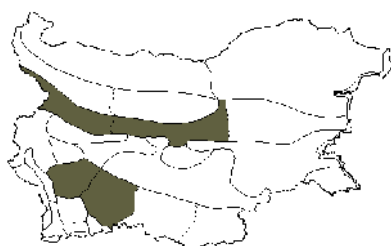
**Andrzeiowskia cardamine**  
Rchb.



300  
⇕  
0

Med

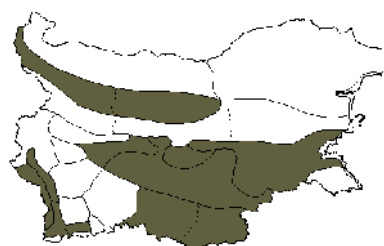
**Androsace hedraeantha**  
Griseb.



2900  
⇕  
2000

Bal

**Anemone apennina**  
L.



700  
⇕  
100

subMed

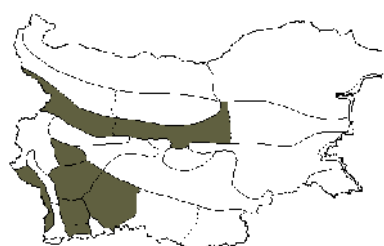
**Androsace maxima**  
L.



1000  
⇕  
0

Eur-As

**Anemone narcissiflora**  
L.

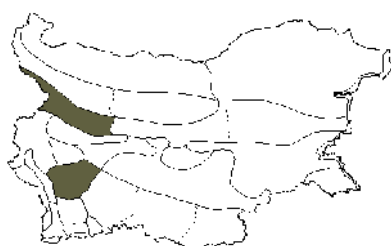


2750  
⇕  
1800

!

Boreal

**Androsace obtusifolia**  
All.



2200  
⇕  
2200

!

Alp-Carp

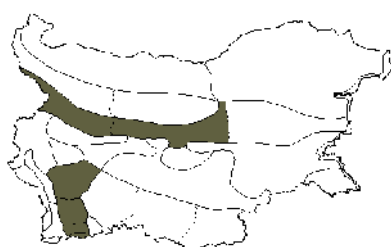
**Anemone nemorosa**  
L.



1800  
⇕  
500

subBoreal

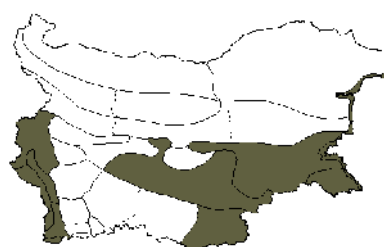
**Androsace villosa**  
L.



2900  
⇕  
1700

Arct-Alp

**Anemone pavonina**  
Lam.



400  
⇕  
0

!

Med

### *Anemone ranunculoides*

L.



1500



0

Eur-subMed

### *Angelica sylvestris*

L.



1000

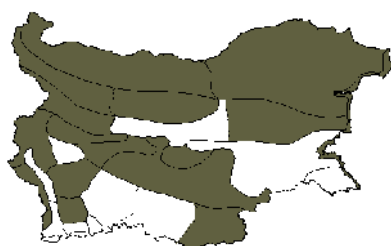


0

Eur-Sib

### *Anemone sylvestris*

L.



1500



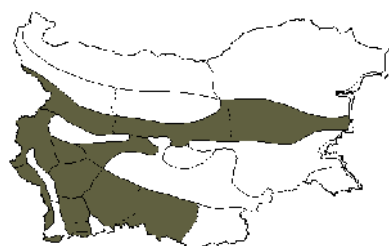
0



Eur-As

### *Antennaria dioica*

(L.) Gaertn.



2900

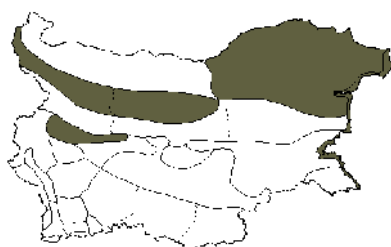


1700

Arct-Alp

### *Anethum graveolens*

L.



800

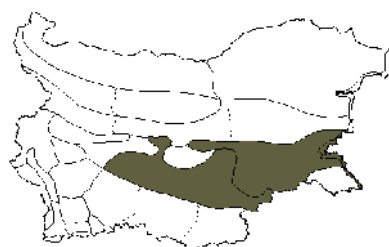


0

Med-As

### *Anthemis altissima*

L.



200



0

subMed

### *Angelica archangelica*

L.



2000

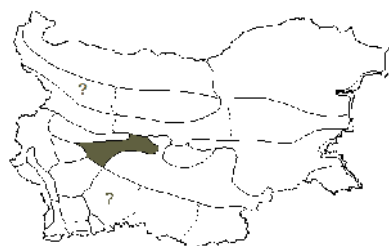


0

Eur-As

### *Anthemis argyrophylla*

(Halácsy & Georgiev) Velen.



1000



0



Bul

### *Angelica pancicii*

Vandas



2000



700

Bal

### *Anthemis arvensis*

L.



2000

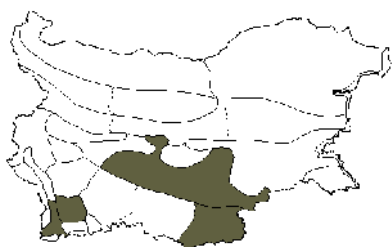


0

Eur-Med

### *Anthemis auriculata*

Boiss.



800

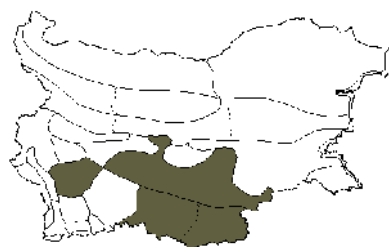


0

Bal-Anat

### *Anthemis gaudium-solis*

Velen.



1000



0



Bul

### *Anthemis austriaca*

Jacq.



2000



0

Eur-Med

### *Anthemis jordanovii*

Stoj. & Acht.



500



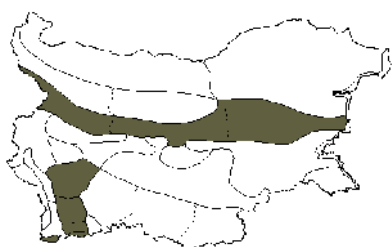
500



Bul

### *Anthemis carpatica*

Willd.



2000

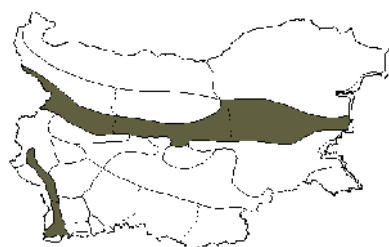


1000

Carp-Bal

### *Anthemis macedonica*

Boiss.



1000



0

Bal

### *Anthemis cotula*

L.



1000



0

Eur-Sib

### *Anthemis macrantha*

Heuff.



800



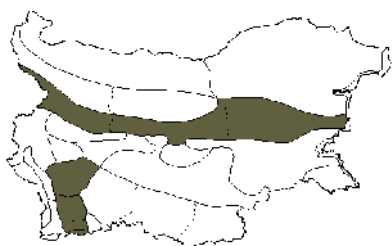
0



Carp-Bal

### *Anthemis cretica*

L.



2500

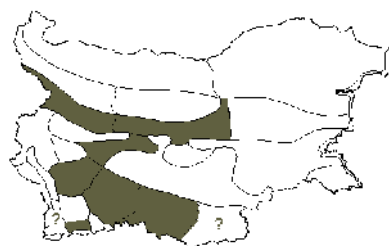


0

Med

### *Anthemis orbelica*

Pančić



2000



0



Bul

### *Anthemis parnassica*

(Boiss. & Heldr.) Fernan.



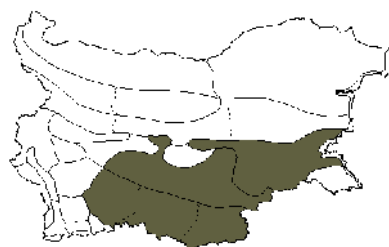
400



0

### *Anthemis strybrnyi*

Velen.



1000



0



Bul

### *Anthemis regis-borisii*

Stoj. & Acht.



200



0



Bul

### *Anthemis tenuiloba*

(DC.) R. Fern.



2000

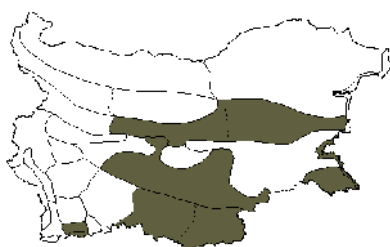


0

Bal-Anat

### *Anthemis rumelica*

(Velen.) Stoj. & Acht.



1000



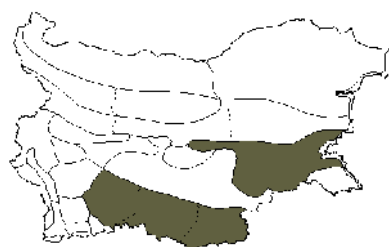
0



Bul

### *Anthemis thracica*

Velen.



1000



0

Bul

### *Anthemis ruthenica*

M. Bieb.



2000

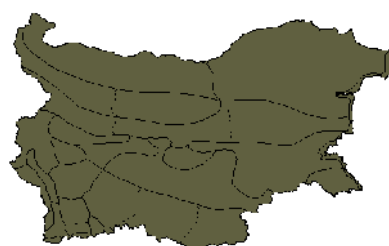


0

subMed

### *Anthemis tinctoria*

L.



2000

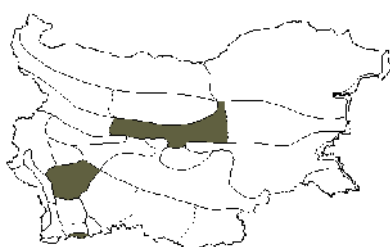


0

Eur-Sib

### *Anthemis sancti-johannis*

Turrill



2300



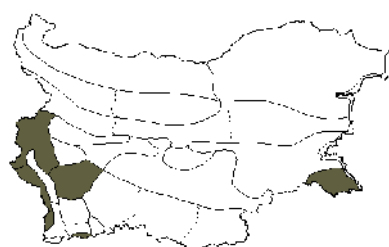
1600



Bul

### *Anthemis triumfetii*

(L.) DC.



1000

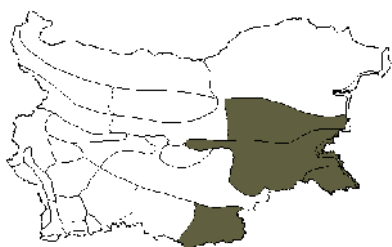


0

Eur

### *Anthemis virescens*

Velen.



1000



0



Bul

### *Anthriscus caucalis*

M. Bieb.



800

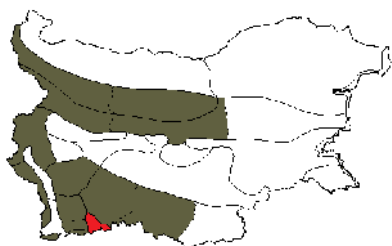


0

Eur-Med

### *Anthericum liliago*

L.



2900

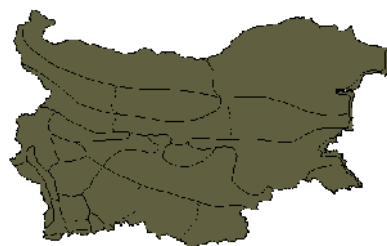


1000

subMed

### *Anthriscus cereifolium*

(L.) Hoffm.



1100



0

Eur-Med

### *Anthericum ramosum*

L.



1000

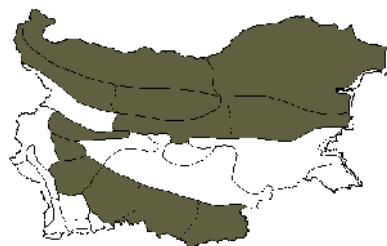


0

Eur

### *Anthriscus nemorosa*

(M. Bieb.) Spreng.



2300

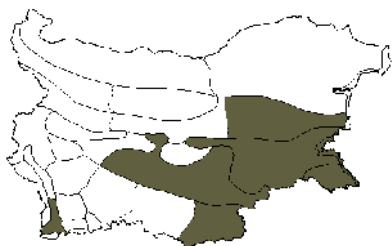


300

Eur-As

### *Anthoxanthum aristatum*

Boiss.



800

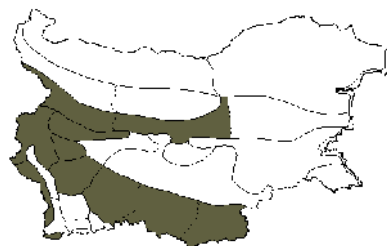


0

Eur-As

### *Anthriscus nitida*

(Wahlenb.) Garcke



2100



800

Eur

### *Anthoxanthum odoratum*

L.



2300

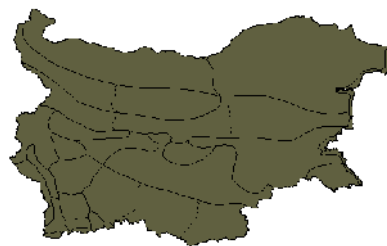


0

Eur-As

### *Anthriscus sylvestris*

(L.) Hoffm.



1500

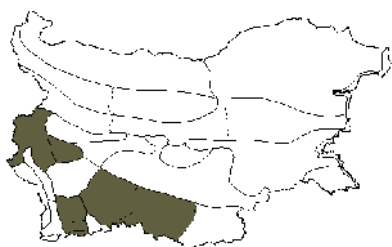


0

Eur

### *Anthyllis aurea*

Welden



2100



800



Bal

### *Apera spica-venti*

(L.) P. Beauv.



1200

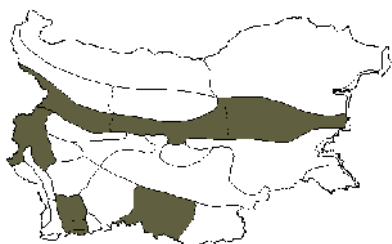


0

subBoreal

### *Anthyllis montana*

L.



2100



1000

Alp-Med

### *Aphanes arvensis*

L.



1000



0

Eur

### *Anthyllis vulneraria*

L.



2900

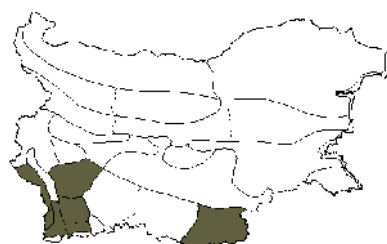


0

Eur-Med

### *Aphanes minutiflora*

(Azn.) Holub



1200



500

Med

### *Antirrhinum majus*

L.



1200



0

Adv (Med)

### *Apium graveolens*

L.



500

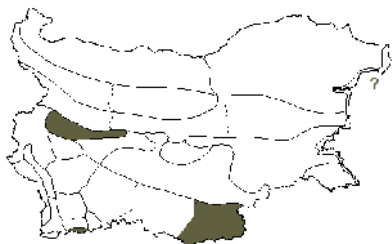


0

Eur-As

### *Apera interrupta*

(L.) P. Beauv.



500

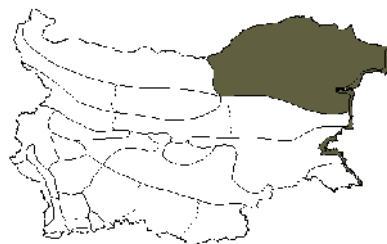


0

Med-WAs

### *Apium nodiflorum*

(L.) Lag.



100



0



Eur-As

### *Apium repens*

(Jacq.) Lag.



Eur

### *Arabis auriculata*

Lam.



1400

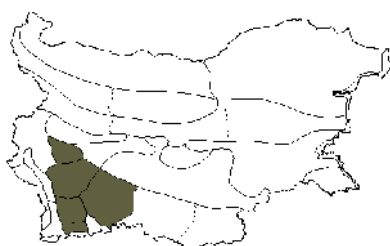


0

Eur-As

### *Aquilegia aurea*

Janka



2300



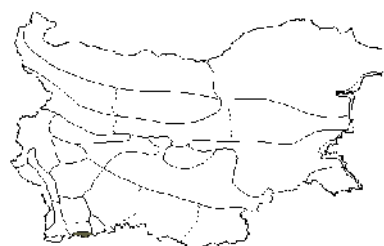
1800



Bal

### *Arabis ciliata*

Clairv.



2000

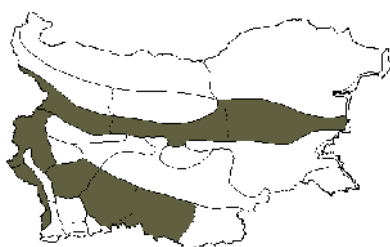


1000

Eur

### *Aquilegia nigricans*

Baumg.



2000



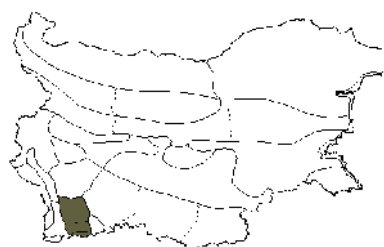
1000



Alp-Carp-Bal

### *Arabis collina*

Ten.



1800



1300



Med

### *Arabidopsis thaliana*

(L.) Heynh.



1500

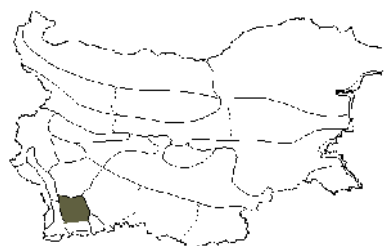


0

subBoreal

### *Arabis ferdinandi-coburgii*

Kellerer & Sünd.



2800



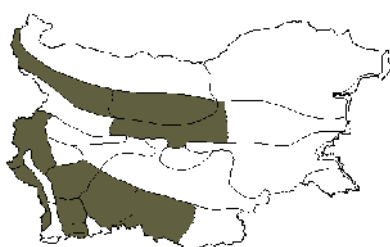
2100



Bul

### *Arabis alpina*

L.



2900



1000

Arct-Alp

### *Arabis glabra*

(L.) Bernh.



1600



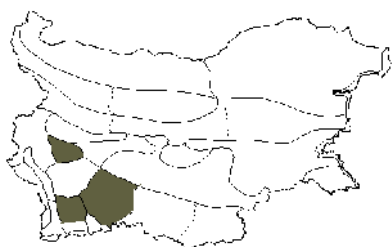
0

Boreal



### *Arabis hirsuta*

(L.) Scop.



1200

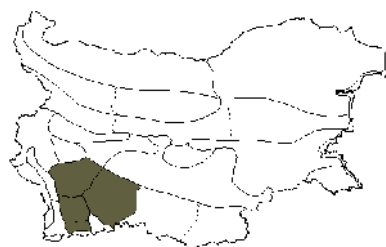


0

Boreal

### *Arabis sudetica*

Tausch.



2200

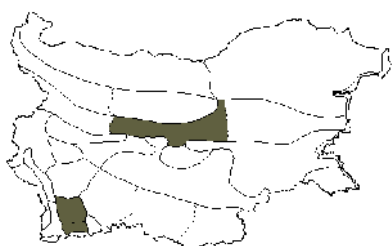


1700

subMed

### *Arabis hornungiana*

Schur



1000

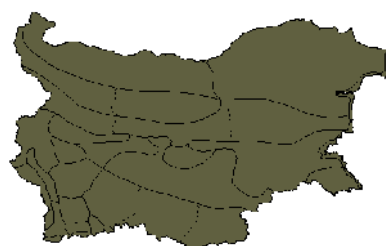


0

subMed

### *Arabis turrita*

L.



1600

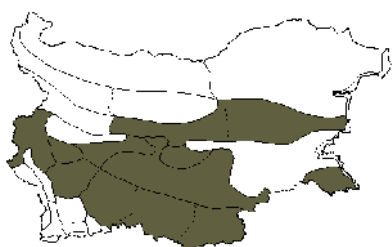


0

subMed

### *Arabis nova*

Vill.



1100



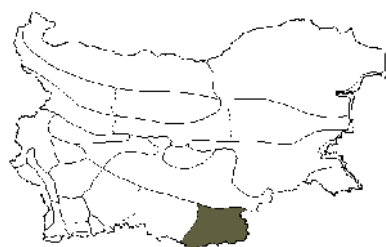
0



subMed

### *Arbutus andrachne*

L.



350



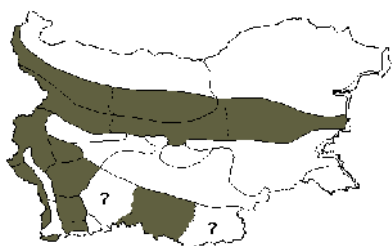
350



Med

### *Arabis procurrens*

Waldst. & Kit.



1500

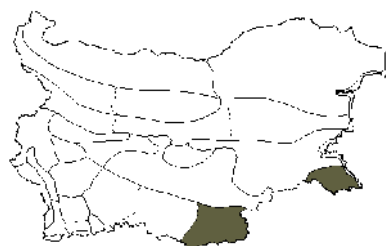


500

Eur

### *Arbutus unedo*

L.



350



350



subMed-As

### *Arabis sagittata*

(Bertol.) DC.



1200

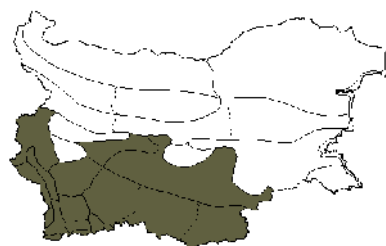


0

Eur-Med

### *Arceutobium oxycedri*

(DC.) M. Bieb.



1100



300

subMed-As

**Arctium lappa**  
L.



1500  
⇅  
0

Eur-Med

**Aremonia agrimonoides**  
(L.) DC.



1600  
⇅  
0

subMed

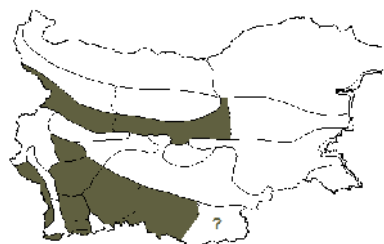
**Arctium minus**  
Bernh.



1000  
⇅  
0

Eur-As

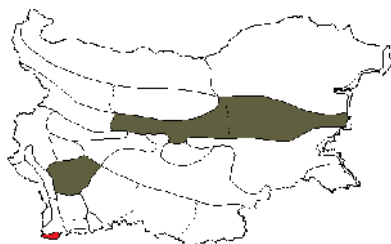
**Arenaria biflora**  
L.



2900  
⇅  
1500

Alp-Carp-Bal

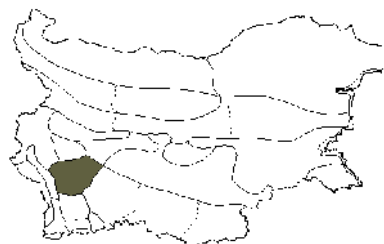
**Arctium nemorosum**  
Lej.



2000  
⇅  
0

Eur

**Arenaria ciliata**  
L.



2600  
⇅  
2400

!  
Alp

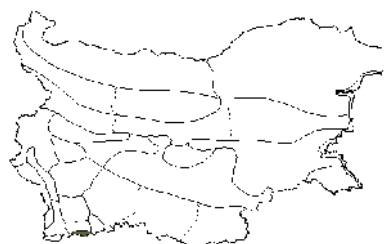
**Arctium tomentosum**  
Mill.



2000  
⇅  
0

Eur-Med

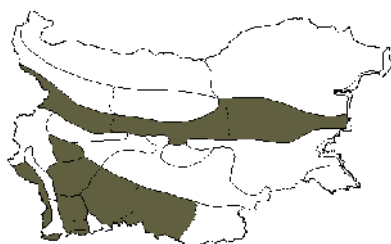
**Arenaria cretica**  
Spreng.



2100  
⇅  
1900

!  
Med

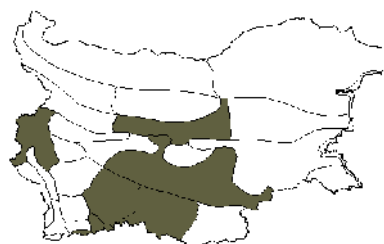
**Arctostaphylos uva-ursi**  
(L.) Spreng.



2500  
⇅  
1000

Boreal

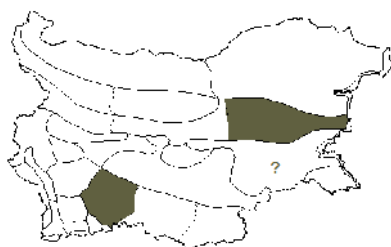
**Arenaria filicaulis**  
Fenzl



1000  
⇅  
0

Bal-Anat

### *Arenaria gypsophylloides* L.



700



0



Bal-Anat

### *Arenaria rigida* M. Bieb.



200



0



subMed

### *Arenaria leptoclados* (Rechb.) Guss.



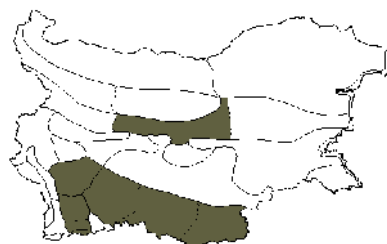
1500



0

Eur-As

### *Arenaria rotundifolia* M. Bieb.



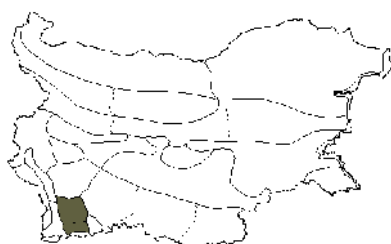
2900



1000

Bal-Anat

### *Arenaria pirinica* Stoj.



2400



2300



Bul

### *Arenaria serpyllifolia* L.



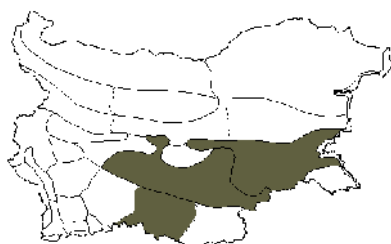
1000



0

Eur-As

### *Arenaria procera* Spreng.



1000



0

Eur-As

### *Argusia sibirica* (L.) Dandy



0

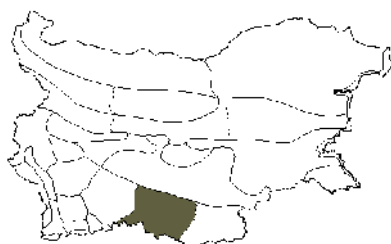


0



Eur-As

### *Arenaria rhodopaea* Delip.



1300



1200



Bul

### *Aristolochia clematitis* L.



700



0

Eur-Med

**Aristolochia pallida**  
Willd.



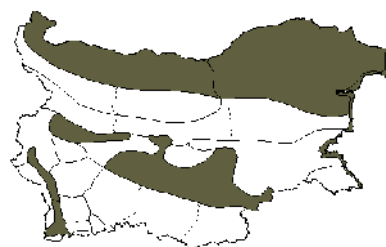
1000



0

subMed-As

**Armoracia rusticana**  
(Lam.) P. Gaertn.



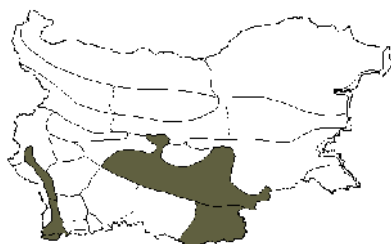
700



0

Adv

**Aristolochia rotunda**  
L.



300

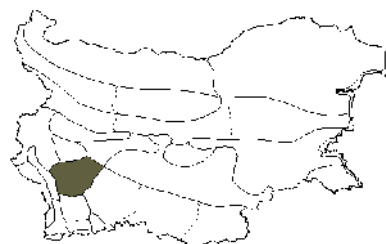


0



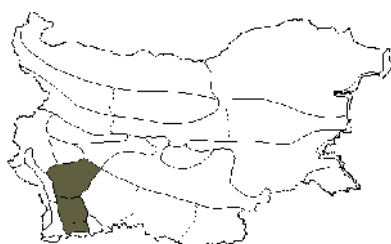
Med

**Arnica montana**  
L.



Eur

**Armeria alpina**  
Willd.



2800



1700

Alp-Carp-Bal

**Arrhenatherum elatius**  
(L.) P. Beauv. ex J. & C. Presl



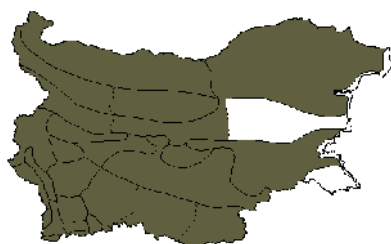
1600



0

Eur-As

**Armeria rumelica**  
Boiss.



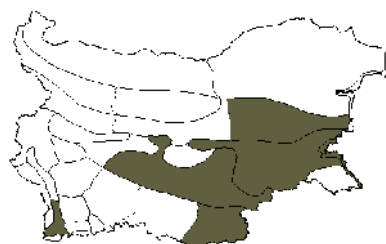
2000



400

Bal

**Arrhenatherum palaestinum**  
Boiss.



500



0

Med

**Armoracia macrocarpa**  
(Waldst. & Kit.) Kit. ex Baumg.



200



0

Eur

**Artemisia absinthium**  
L.



2000

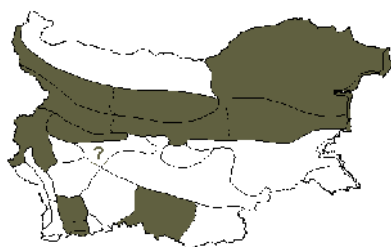


0

Pont-Med

### *Artemisia alba*

L.



1500

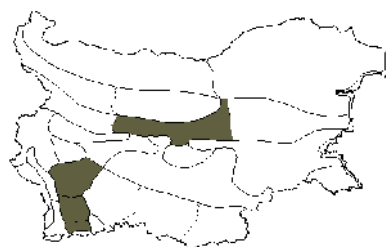


0

subMed

### *Artemisia eriantha*

Ten.



2500



1800



Carp-Bal

### *Artemisia annua*

L.



1000

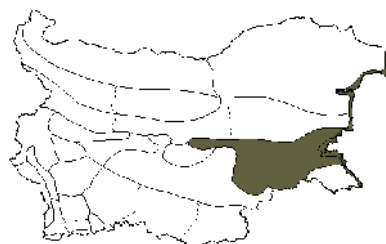


0

Eur-Med

### *Artemisia lerchiana*

Weber



300



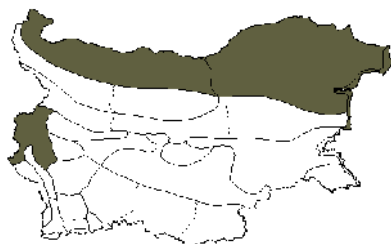
0



subMed

### *Artemisia austriaca*

Jacq.



1000

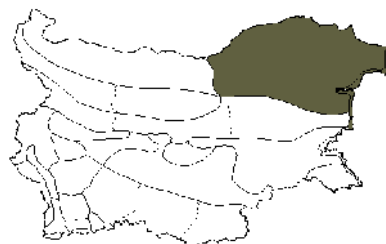


0

Eur-Sib

### *Artemisia pedemontana*

Balb.



100



0



Pont-Med

### *Artemisia campestris*

L.



1000

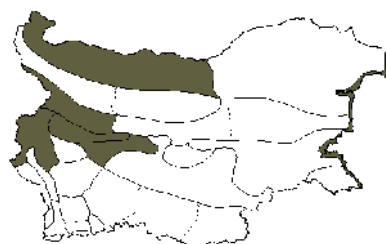


0

Eur-Sib

### *Artemisia pontica*

L.



1500

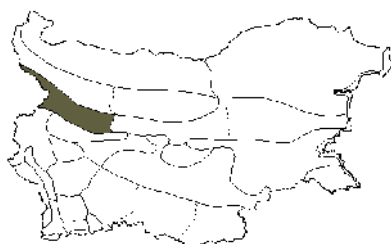


0

Pont

### *Artemisia chamaemelifolia*

Vill.



1500



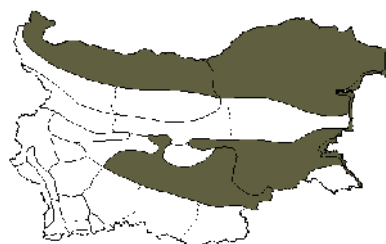
0



Alp-Cauc

### *Artemisia santonicum*

L.



500



0

Eur-Med

### Artemisia scoparia

Waldst. & Kit.



1000

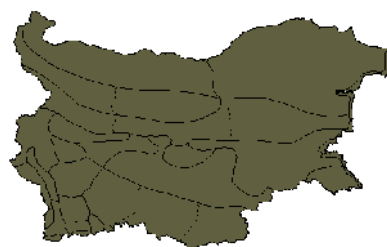


0

Eur-As

### Arum maculatum

L.



1800



0

Eur-subMed

### Artemisia vulgaris

L.



1000

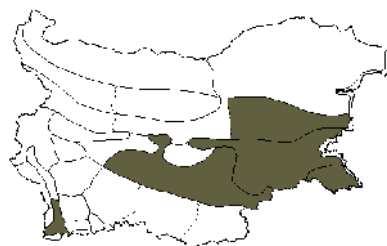


0

subBoreal

### Arum orientale

M. Bieb.



1000

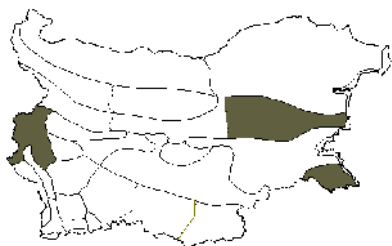


0

Med

### Arum alpinum

Schott & Kotschy



1000



500



Eur

### Asarum europaeum

L.



1200

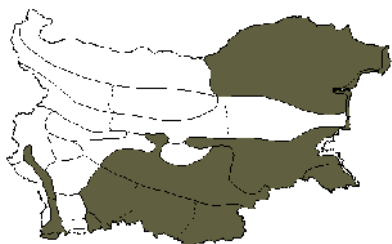


0

Eur-Sib

### Arum elongatum

Steven



1000



0

Pont-OT

### Asclepias syriaca

L.



600

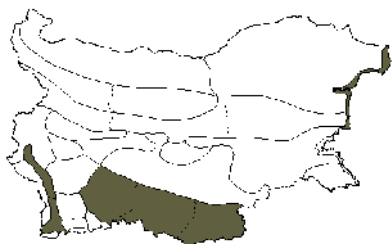


0

Adv

### Arum italicum

Mill.



1000

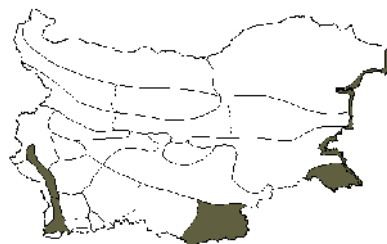


0

Med

### Asparagus acutifolius

L.



1000



0

Med

**Asparagus aphyllus**  
L.



100  
⇕  
0

Med

**Asparagus verticillatus**  
L.



1000  
⇕  
0

Pont-As

**Asparagus brachyphyllus**  
Turcz.



1000  
⇕  
0

Pont-As

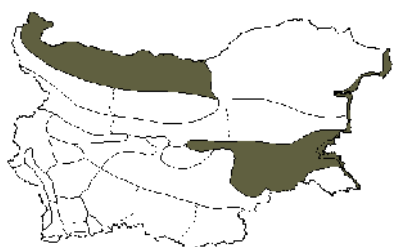
**Asperugo procumbens**  
L.



1000  
⇕  
0

Eur-As

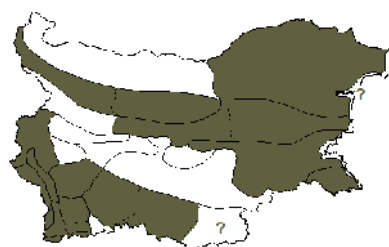
**Asparagus maritimus**  
(L.) Mill.



500  
⇕  
0

SSib

**Asperula aristata**  
L. f.



2800  
⇕  
200

subMed

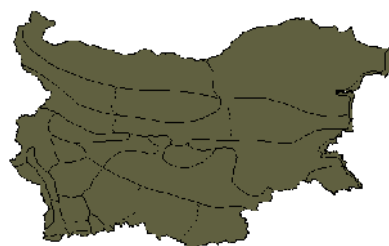
**Asparagus officinalis**  
L.



1000  
⇕  
0

Eur

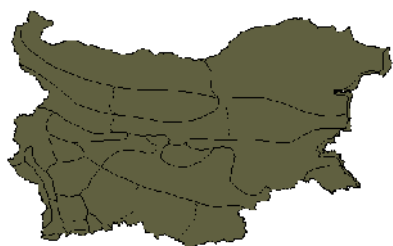
**Asperula arvensis**  
L.



1000  
⇕  
0

Eur-Med

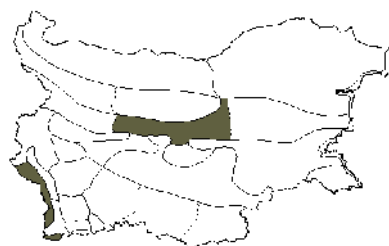
**Asparagus tenuifolius**  
Lam.



2500  
⇕  
0

Pont-Med

**Asperula capitata**  
Kit. ex Schult.



2000  
⇕  
1500

Carp-Bal

**Asperula cretacea**  
Willd.



350  
⇕  
200

Pont

**Asperula setulosa**  
Boiss.



1000  
⇕  
0

Pont

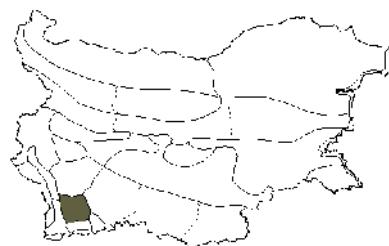
**Asperula cynanchica**  
L.



2500  
⇕  
0

Eur-Med

**Asperula suberosa**  
Sibth. & Sm.



2900  
⇕  
2000

Bal

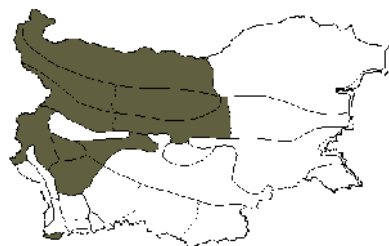
**Asperula involucrata**  
Wahlenb.



100  
⇕  
0

Bal-Anat

**Asperula taurina**  
L.



1000  
⇕  
300

Pont-Med

**Asperula purpurea**  
(L.) Ehrend.



1500  
⇕  
300

subMed

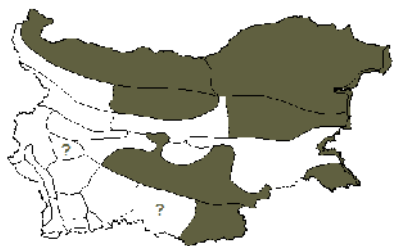
**Asperula tenella**  
Heuff. ex Degen



1200  
⇕  
300

subMed

**Asperula rumelica**  
Boiss.



800  
⇕  
0

subMed

**Asperula tinctoria**  
L.



1000  
⇕  
600

Eur-Sib



### Asphodeline liburnica

(Scop.) Rchb.



1000

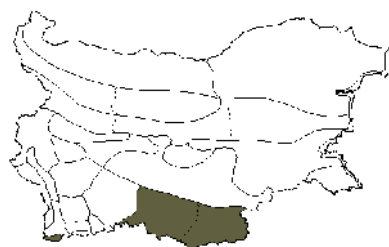


0

Pont-Med

### Asplenium cuneifolium

Viv.



2900



1000



Eur

### Asphodeline lutea

(L.) Rchb.



1200

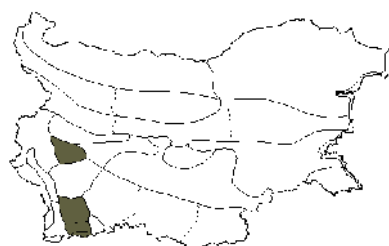


0

Pont-Med

### Asplenium fissum

Kit. ex Willd.



2800

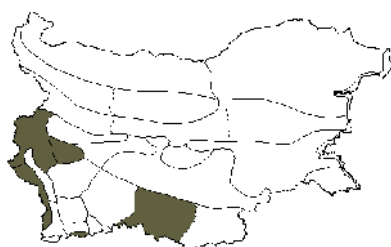


1800

Ap-Bal

### Asphodeline taurica

(Pall. ex M. Bieb.) Kunth



2000

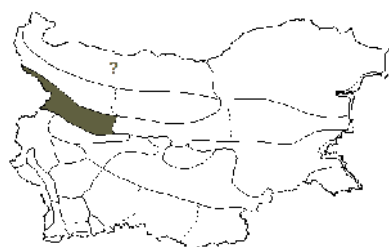


1000

Pont-Med

### Asplenium lepidum

C. Presl



700



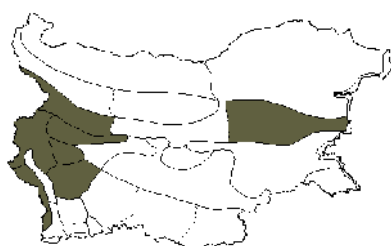
0



Ap-Bal

### Asphodelus albus

Mill.



1600



800

subMed

### Asplenium onopteris

L.



1900



200

Med-Atl

### Asplenium adianthum-nigrum

L.



2200



0

subBoreal

### Asplenium ruta-muraria

L.



1500



0

Boreal

### **Asplenium septentrionale**

(L.) Hoffm.



2000



100

Boreal

### **Aster linosyris**

(L.) Bernh.



1000



0

Eur-Med

### **Asplenium trichomanes**

L.



1700

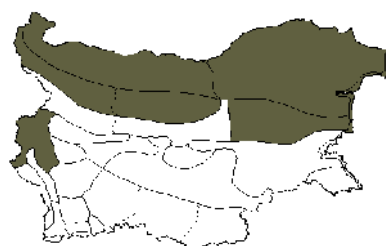


0

Kos

### **Aster oleifolius**

(Lam.) Wagenitz



1000



0

Pont-Sib

### **Asplenium viride**

Huds.



2300

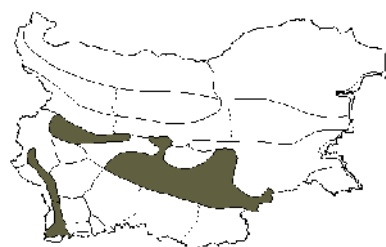


800

Boreal

### **Aster salignus**

Willd.



500

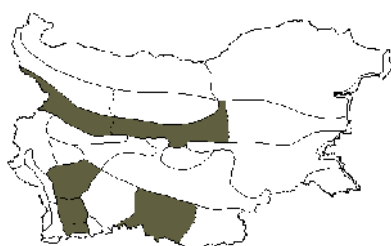


0

Adv

### **Aster alpinus**

L.



2900

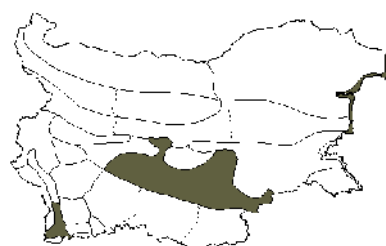


1300

Arct-Alp

### **Aster squamatus**

(Spreng.) Hieron.



200



0

Adv (Am)

### **Aster amellus**

L.



1000

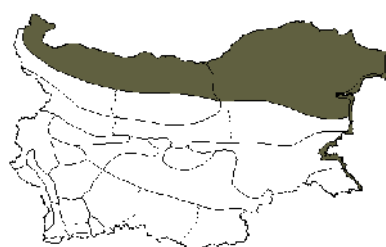


0

Eur-Med

### **Aster tripolium**

L.



500

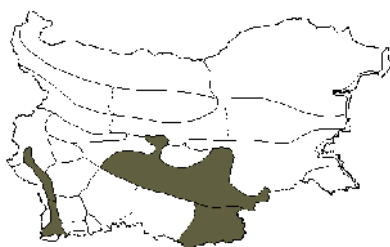


0

Eur-Sib

### **Asteriscus aquaticus**

(L.) Less.



1000

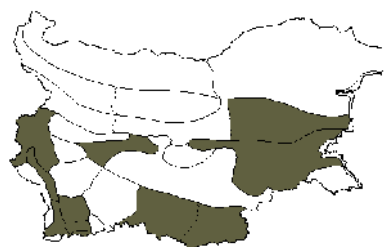


0

Med

### **Astragalus angustifolius**

Lam.



2000

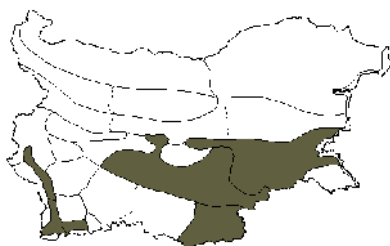


0

subMed

### **Asterolinon linum-stellatum**

(L.) Duby



500

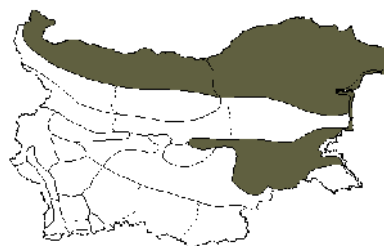


0

Med

### **Astragalus asper**

Jacq.



200

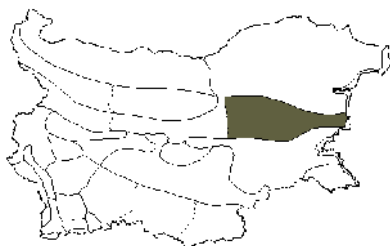


0

Eur

### **Astracantha aitensis**

(Ivan.) Podl.



400



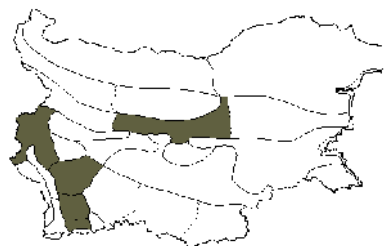
100



Bul

### **Astragalus australis**

(L.) Lam.



2700

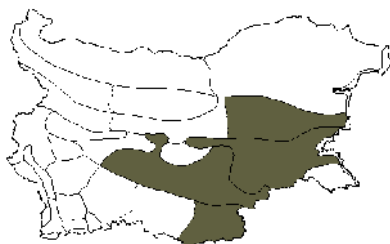


2000

Eur-As

### **Astracantha thracica**

(Griseb.) Podl.



800



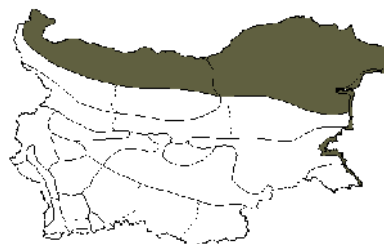
0



Bal

### **Astragalus austriacus**

L.



100



0

subMed

### **Astragalus alopecurus**

Pall.



2000



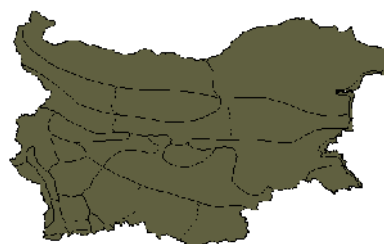
1000



Alp

### **Astragalus cicer**

L.



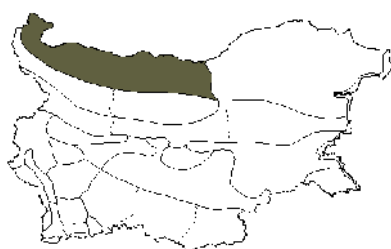
1800



0

Eur-Sib

### **Astragalus contortuplicatus** L.



100  
⇕  
0

Eur-As

### **Astragalus excapus** L.

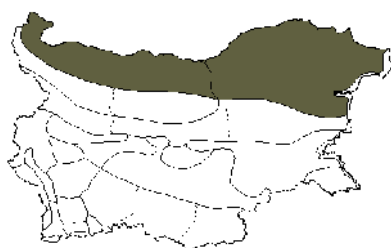


0  
⇕  
0

!

Eur

### **Astragalus corniculatus** M. Bieb.

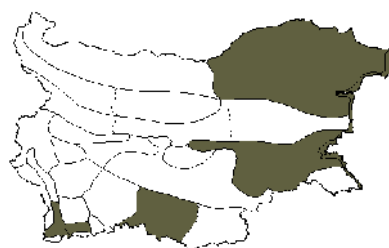


500  
⇕  
200

!

Pont

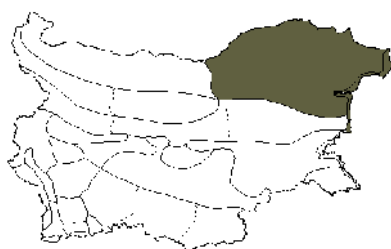
### **Astragalus gladiatus** Boiss.



100  
⇕  
0

Bal-Anat

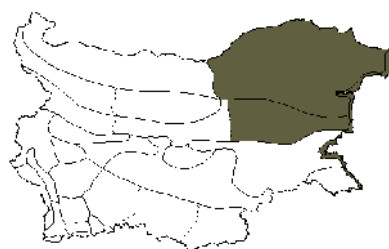
### **Astragalus cornutus** Pall.



50  
⇕  
0

Pont-As

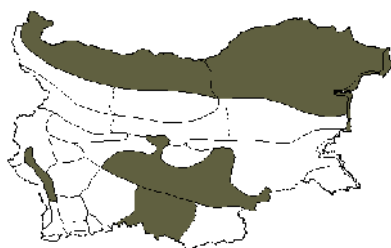
### **Astragalus glaucus** M. Bieb.



200  
⇕  
0

Pont

### **Astragalus dasyanthus** Pall.

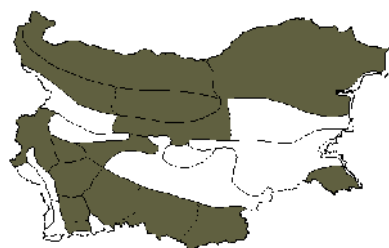


500  
⇕  
0

!

subMed

### **Astragalus glycyphylloides** DC.



1800  
⇕  
0

subMed

### **Astragalus depressus** L.



1800  
⇕  
0

subMed

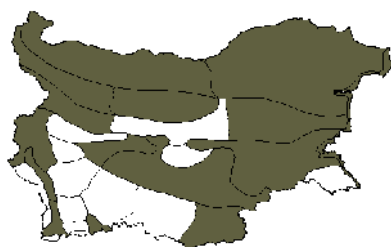
### **Astragalus glycyphyllos** L.



1800  
⇕  
0

SPont

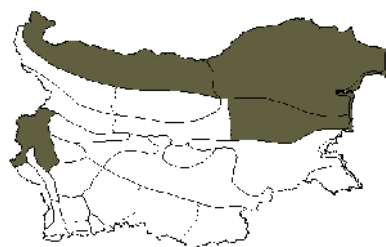
### **Astragalus hamosus** L.



500  
⇕  
0

Eur-As

### **Astragalus pubiflorus** DC.



200  
⇕  
0

subMed

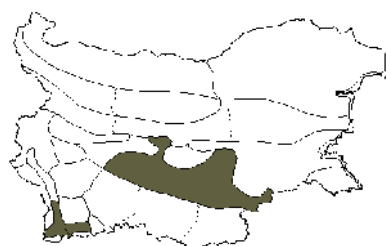
### **Astragalus monspessulanus** L.



1000  
⇕  
0

Pont-Med

### **Astragalus sesameus** L.



400  
⇕  
0

Med

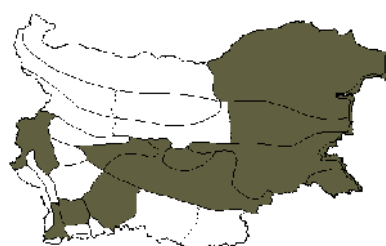
### **Astragalus onobrychis** L.



1500  
⇕  
0

Eur-As

### **Astragalus spruneri** Boiss.



800  
⇕  
0

Bal-Anat

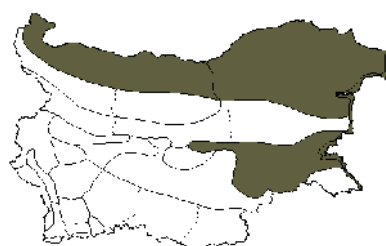
### **Astragalus physocalyx** Fisch.



100  
⇕  
0

Bal-Anat

### **Astragalus suberosus** Banks & Sol.



500  
⇕  
0

Bal-Anat

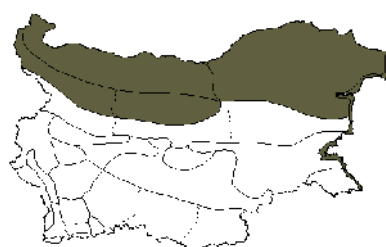
### **Astragalus ponticus** Pall.



200  
⇕  
0

Pont-Med

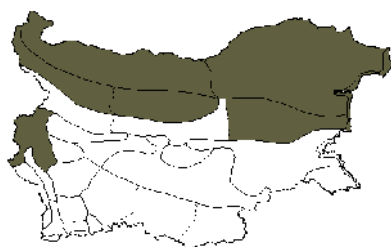
### **Astragalus varius** S. G. Gmel.



100  
⇕  
0

Pont-As

**Astragalus vesicarius**  
L.



1000  
⇕  
0

Eur-Med

**Asyneuma canescens**  
(Waldst. & Kit.) Griseb. et Schenk



1900  
⇕  
0

Pont-Bal

**Astragalus wilmottianus**  
Stoj.

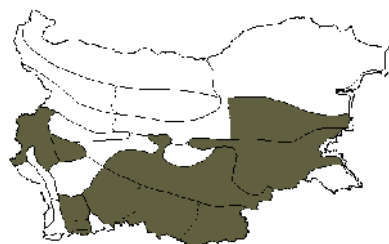


1000  
⇕  
0

!

Bal

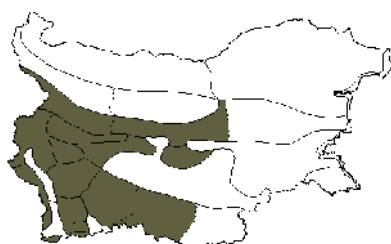
**Asyneuma limonifolium**  
(L.) Janch.



2100  
⇕  
900

Ap-Bal

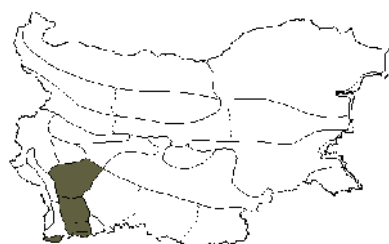
**Astrantia major**  
L.



1900  
⇕  
800

subMed

**Asyneuma pichleri**  
(Vis.) D. Lakušić & F. Conti



2300  
⇕  
1200

Bal

**Astrodaucus littoralis**  
(M. Bieb.) Drude

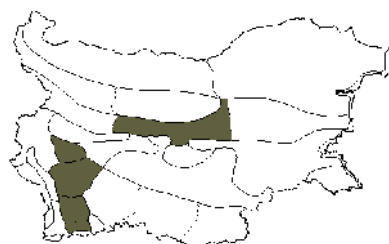


0  
⇕  
0

!

subMed

**Athyrium distentifolium**  
Tausch ex Opiz



2900  
⇕  
2200

Boreal

**Asyneuma anthericoides**  
(Janka) Bornm.



1300  
⇕  
0

Bal

**Athyrium filix-femina**  
(L.) Roth



2300  
⇕  
0

Kos

**Atriplex hastata**  
L.



800  
⇕  
0

Boreal

**Atriplex oblongifolia**  
Waldst. & Kit.



500  
⇕  
0

Eur-As

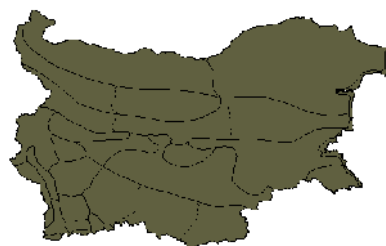
**Atriplex heterosperma**  
Bunge



0  
⇕  
0

Adv

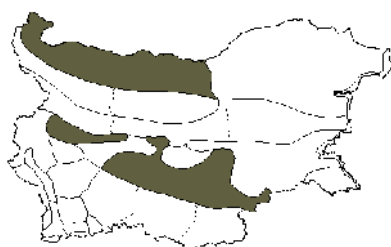
**Atriplex patula**  
L.



600  
⇕  
0

Boreal

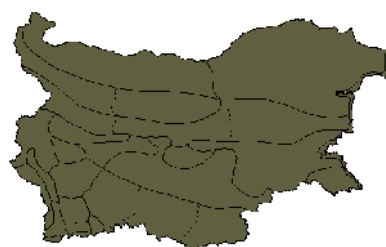
**Atriplex hortensis**  
L.



500  
⇕  
0

Adv

**Atriplex rosea**  
L.



800  
⇕  
0

Eur-As

**Atriplex micrantha**  
Ledeb.



0  
⇕  
0

Pont

**Atriplex tatarica**  
L.



800  
⇕  
0

Eur-As

**Atriplex nitens**  
Schkuhr



1000  
⇕  
0

Eur-As

**Atropa bella-donna**  
L.

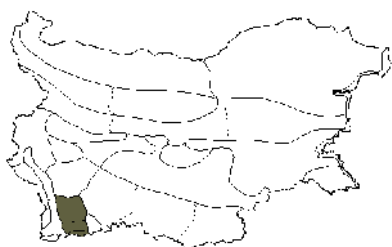


1800  
⇕  
450

Eur

### *Aubrieta columnae*

Guss.



1800

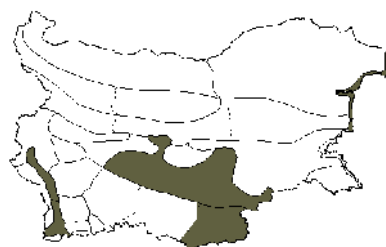


1100

subMed

### *Avena clauda*

Durieu



500

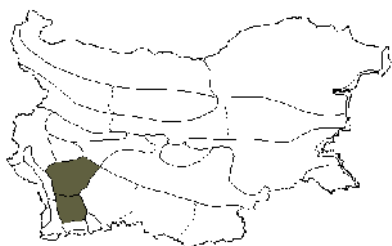


0

Med-CAs

### *Aubrieta gracilis*

Spruner ex Boiss.



2400



1800



Bal

### *Avena eriantha*

Durieu



50



0

EMed

### *Aurinia saxatilis*

(L.) Desv.



1700



0

Eur-Med

### *Avena fatua*

L.



800

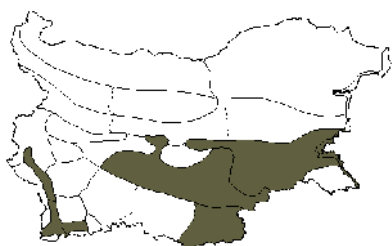


0

Boreal

### *Avena barbata*

Pott ex Link



500



0

Med

### *Avena ludoviciana*

Durieu



1000



0

Med-CAs

### *Avena byzantina*

K. Koch



700

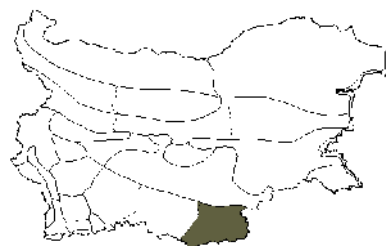


0

Adv (EMed)

### *Avena sterilis*

L.



300



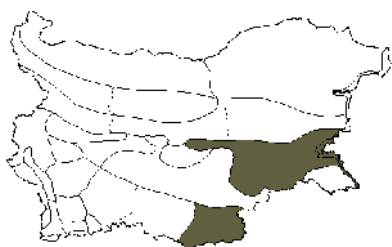
0

Adv (Eur-As)



### **Avena wiestii**

Steud.



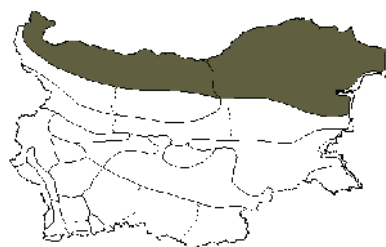
800



0

### **Azolla caroliniana**

Willd.



100

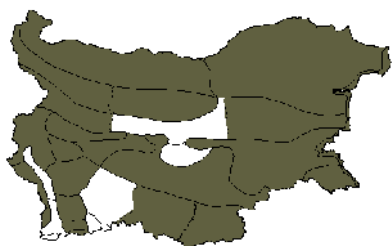


0

Boreal

### **Avenula compressa**

(Heuffel) Sauer & Chmelitschek



1000

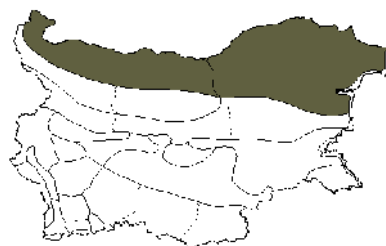


0

Bal-Dac

### **Azolla filiculoides**

Lam.



100

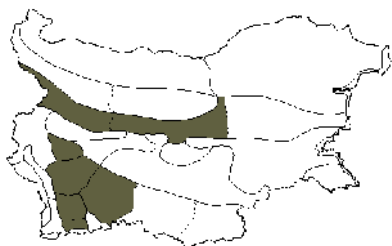


0

Boreal

### **Avenula planiculmis**

(Schrud.) Sauer & Chmelitschek



2000



1500

Bal-Anat

### **Ballota nigra**

L.



1000



0

Eur-Med

### **Avenula pubescens**

(Huds.) Dumort.



1500

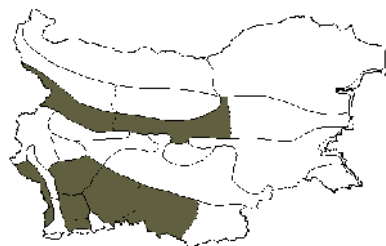


0

SSib

### **Barbarea balcana**

Pančić



2200

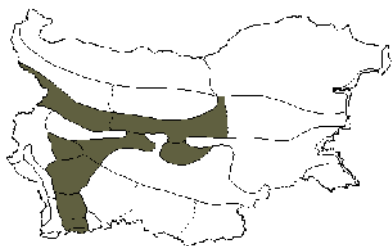


1600

Bal

### **Avenula versicolor**

(Vill.) Lainz



2400

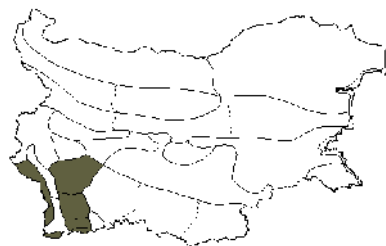


1700

Alp-Carp-Bal

### **Barbarea bracteosa**

Guss.



2100

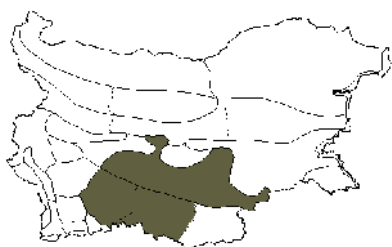


1500

Ap-Bal

### Barbarea longirostris

Velen.



1500

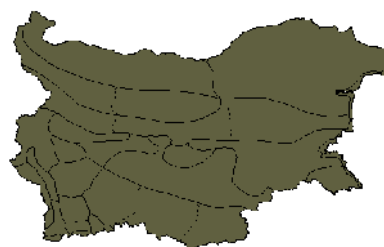


0

Bal

### Beckmannia eruciformis

(L.) Host



1000

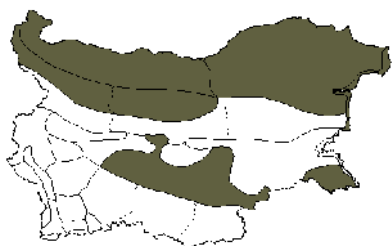


0

subBoreal

### Barbarea stricta

Andrz.



500

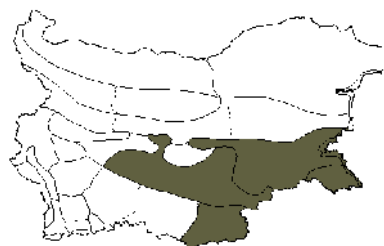


0

Eur-As

### Bellardia trixago

(L.) All.



300



0

Med

### Barbarea vulgaris

R. Br.



1200

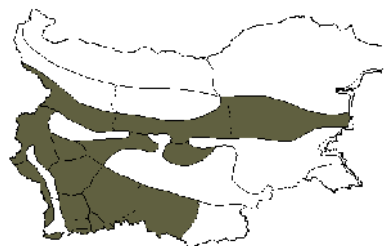


0

Eur-As

### Bellardiochloa violacea

(Bellardi) Chiov.



2600

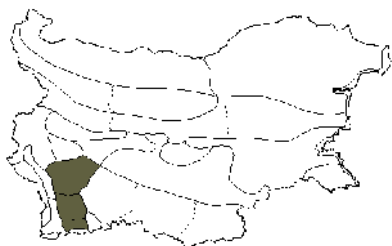


400

subMed-Anat

### Bartsia alpina

L.



2600

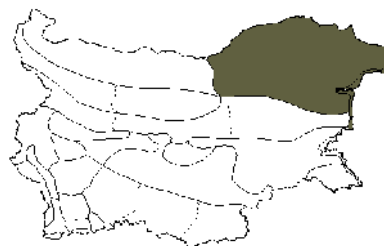


2100

Boreal

### Bellevalia sarmatica

(Pall. ex Georgi) Woronov



100



0



Pont

### Bassia hirsuta

(L.) Asch.



0



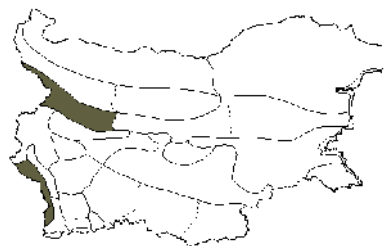
0



Eur-As

### Bellis annua

L.



2000



0

Med

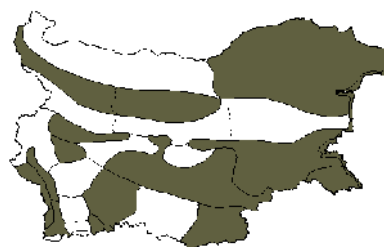
**Bellis perennis**  
L.



1200  
⇕  
0

Eur-As

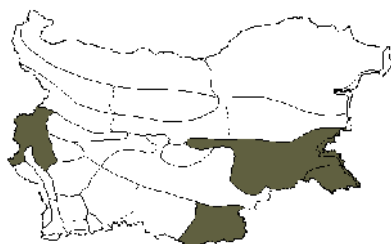
**Berteroa obliqua**  
(Sm.) DC.



500  
⇕  
0

Med

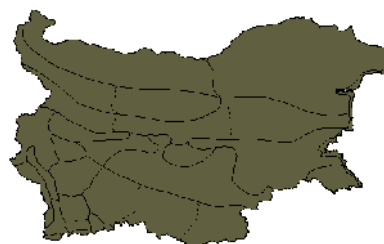
**Bellis sylvestris**  
Cyr.



500  
⇕  
0

Med

**Berula erecta**  
(Huds.) Coville



800  
⇕  
0

Eur-Sib

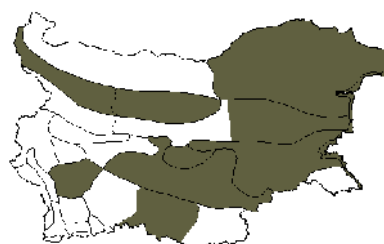
**Berberis vulgaris**  
L.



1000  
⇕  
0

Eur-Med

**Beta trigyna**  
Waldst. & Kit.



600  
⇕  
0

Med

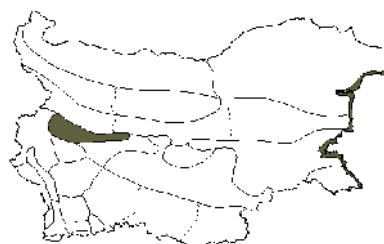
**Berteroa incana**  
(L.) DC.



1500  
⇕  
0

SPont

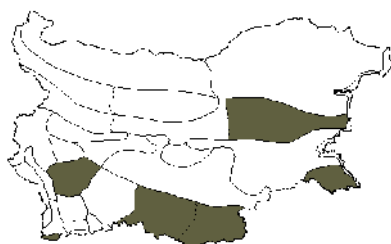
**Beta vulgaris**  
L.



1000  
⇕  
0

subMed

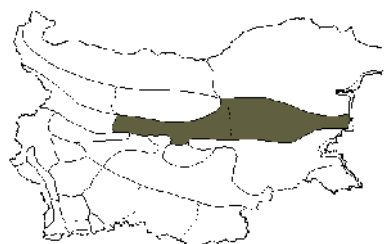
**Berteroa mutabilis**  
(Vent.) DC.



800  
⇕  
0

Med

**Betonica bulgarica**  
Degen & Nejceff

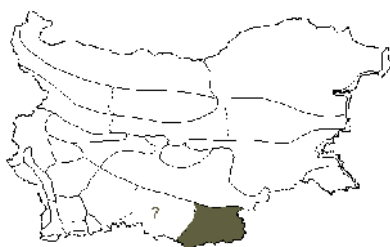


1500  
⇕  
1000

Bul

### **Betonica haussknechtii**

Uechtr. ex Hausskn.



1000



600



Bal-Anat

### **Bidens cernua**

L.



1000



0

Boreal

### **Betonica officinalis**

L.



1500

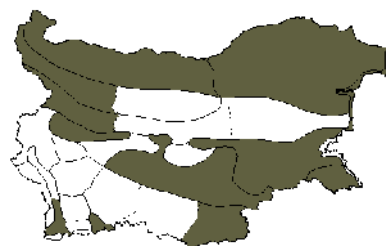


0

subMed

### **Bidens frondosus**

L.



500



0

Adv (NAm)

### **Betonica scardica**

Griseb.



1000



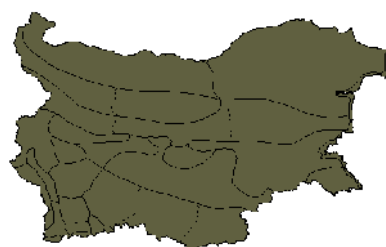
600



Bal

### **Bidens tripartita**

L.



1000



0

Boreal

### **Betula pendula**

Roth



2000

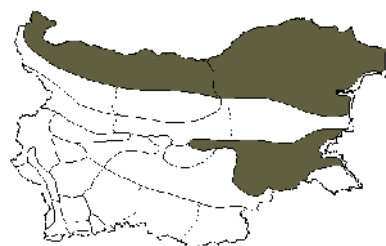


0

Eur-Sib

### **Bidens vulgatus**

Greene



500



0

Adv (NAm)

### **Bidens bipinnatus**

L.



100



0

Adv (SAm)

### **Bifora radians**

M. Bieb.



1300

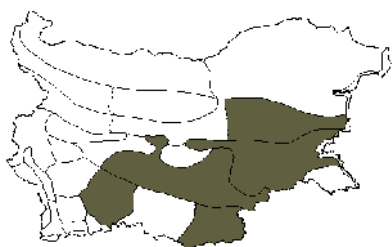


800

Eur-Med

### **Bifora testiculata**

(L.) Roth



500

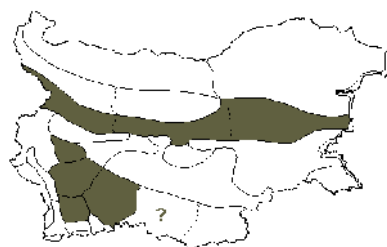


0

Med-CAs

### **Bistorta vivipara**

(L.) Gray



2750



1600

Boreal

### **Bilderdykia convolvulus**

(L.) Dumort.



1900



0

Eur-As

### **Bituminaria bituminosa**

(L.) Stirt.



1000

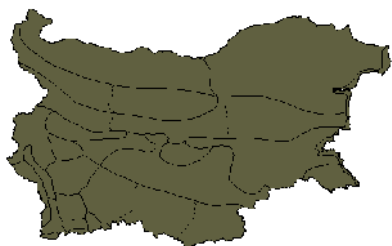


0

Pont-Med

### **Bilderdykia dumetorum**

(L.) Dumort.



1100



0

Eur-Med

### **Blackstonia perfoliata**

(L.) Huds.



700



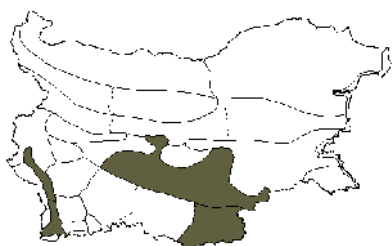
0



subMed

### **Biserrula pelecinus**

L.



200

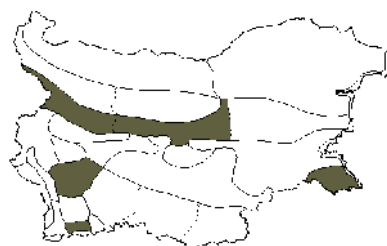


0

Med

### **Blechnum spicant**

(L.) Roth



1900

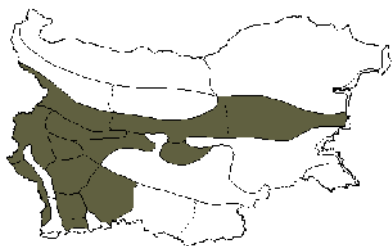


200

Boreal

### **Bistorta major**

Gray



2200

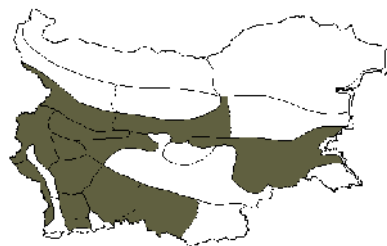


700

Eur-As

### **Blysmus compressus**

(L.) Panz. ex Link



2300

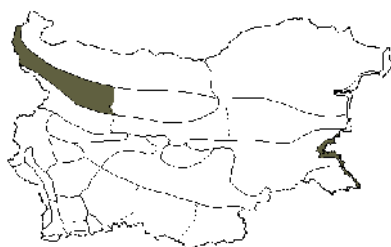


500

Eur-As

### **Bolboschoenus laticarpus**

Marhold, Hroudová, Doucháček & Zákrevský



700

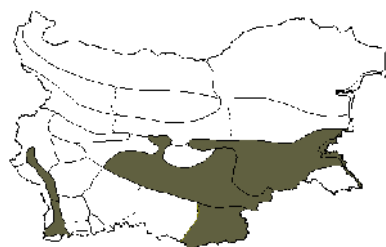


0

Eur

### **Brachiaria eruciformis**

(Sm.) Griseb.



300



0

Med-CAs

### **Bolboschoenus maritimus**

(L.) Pall.



1000

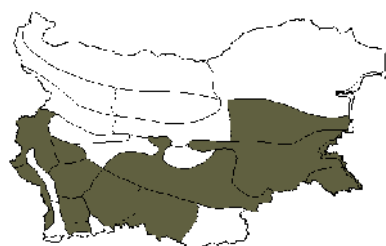


0

Kos

### **Brachypodium glaucovirens**

Murb.



1200



0

Eur-OT

### **Bombycilaena erecta**

(L.) Smoljan.



1000

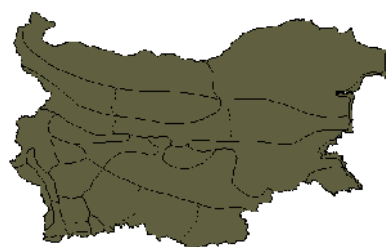


0

Eur-Med

### **Brachypodium pinnatum**

(L.) P. Beauv.



2200

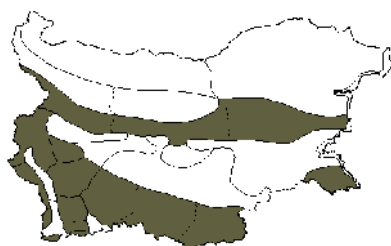


0

SSib

### **Botrychium lunaria**

(L.) Sw.



2500



1000

Boreal

### **Brachypodium sylvaticum**

(Huds.) P. Beauv.



1600

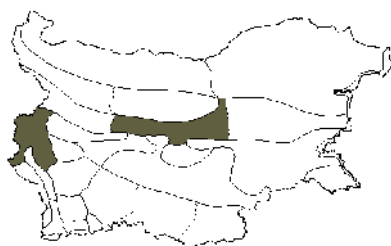


0

Eur-As

### **Botrychium matricariifolium**

A. Braun ex Koch



1500



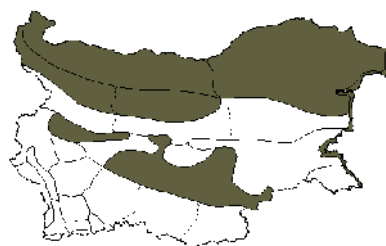
1000



Boreal

### **Brassica elongata**

Ehrh.



500



0

Eur-As

### **Brassica jordanoffii**

O. E. Schultz



2800



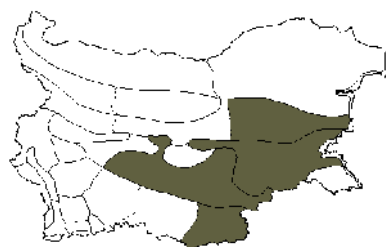
2100



Bul

### **Briza humilis**

M. Bieb.



500

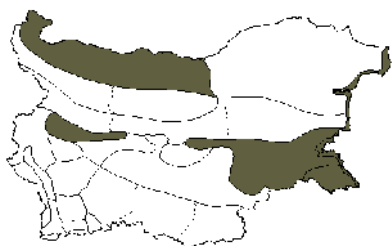


0

Pont-Med

### **Brassica juncea**

(L.) Czern. & Coss.



300

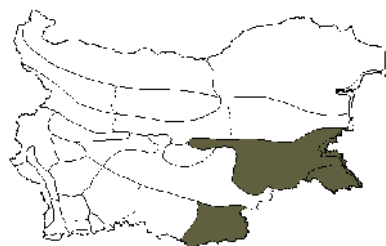


0

As

### **Briza maxima**

L.



200

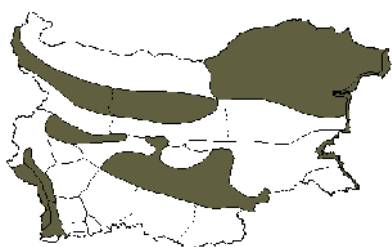


0

Med

### **Brassica napus**

L.



400



0

Adv

### **Briza media**

L.



1800



0

Eur

### **Brassica nigra**

(L.) Koch



500



0

Kos

### **Bromus arvensis**

L.



1400



0

Eur-As

### **Brassica rapa**

L.



1000

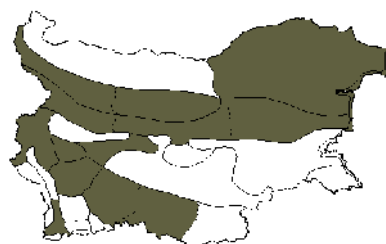


0

Med-Atl

### **Bromus barcensis**

Simonk.



1500



500

Eur-As

### **Bromus benekenii**

(Lange) Trimen



1500



1000

Eur-As

### **Bromus japonicus**

Thunb.



800



0

Med-CAs

### **Bromus commutatus**

Schrad.



600

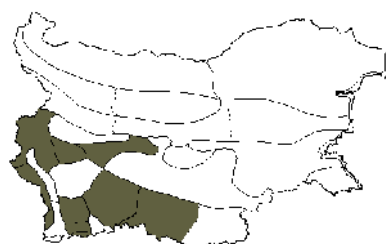


0

subMed

### **Bromus lacmonicus**

Hausskn.



2000

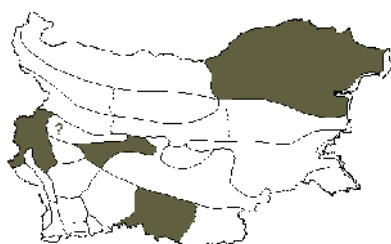


1600

Bal

### **Bromus erectus**

Huds.



800

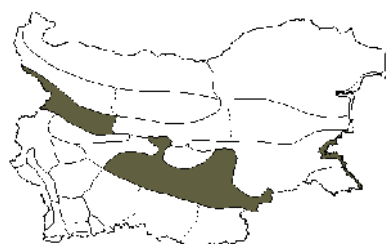


0

subMed

### **Bromus lanceolatus**

Roth



200



0

Eur-As

### **Bromus inermis**

Leyss.



1200

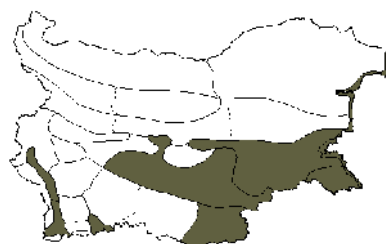


0

Eur-As

### **Bromus madritensis**

L.



500



0

Med

### **Bromus intermedius**

Guss.



1000

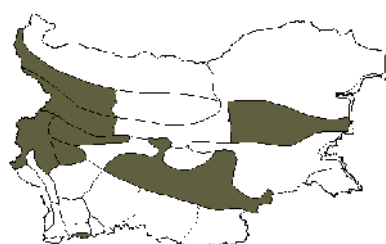


0

Med-subMed

### **Bromus moesiacus**

Velen.



800



0

Bul



**Bromus mollis**  
L.



1600  
⇕  
0

Boreal

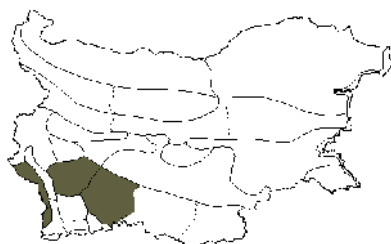
**Bromus ramosus**  
Huds.



1500  
⇕  
300

subMed-As

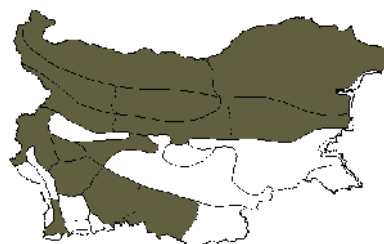
**Bromus orbelicus**  
(Velen.) Petrova, Kožucharov & Ehrend.



2000  
⇕  
1000

Bul

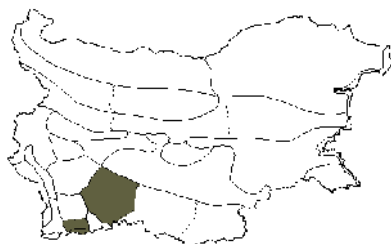
**Bromus riparius**  
Rehmann



1000  
⇕  
0

Pont

**Bromus parilicus**  
Petrova, Kožucharov & Ehrend.



2000  
⇕  
1000

Bul

**Bromus scoparius**  
L.



800  
⇕  
0

subMed

**Bromus parvispiculatus**  
H. Scholz



100  
⇕  
0

**Bromus secalinus**  
L.



1300  
⇕  
0

subBoreal

**Bromus racemosus**  
L.



1000  
⇕  
0

Eur

**Bromus squarrosus**  
L.



2900  
⇕  
0

subMed

**Bromus sterilis**  
L.



600  
⇕  
0

*Boreal*

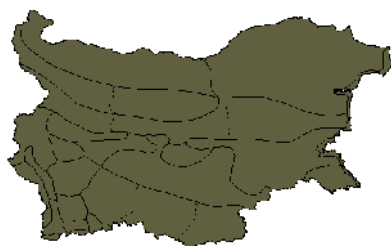
**Bryonia alba**  
L.



1000  
⇕  
0

*Eur-OT*

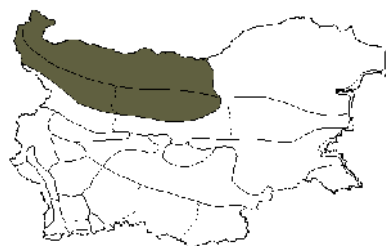
**Bromus tectorum**  
L.



1000  
⇕  
0

*Boreal*

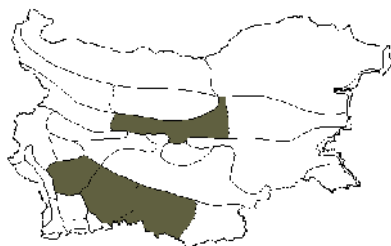
**Bryonia cretica**  
L.



400  
⇕  
200

*Med*

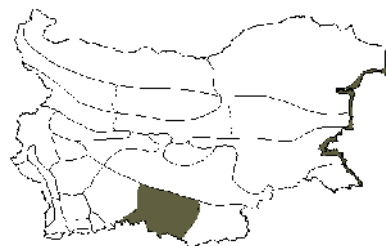
**Bromus transsilvanicus**  
Steud.



1500  
⇕  
0

*Carp-Bal*

**Budleya davidii**  
Franch.



500  
⇕  
0

*Adv*

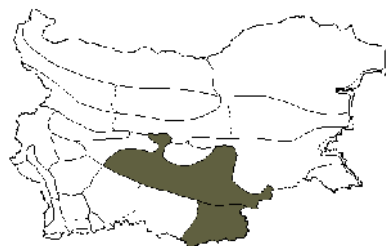
**Broussonetia papyrifera**  
L.



50  
⇕  
0

*Adv (EAs)*

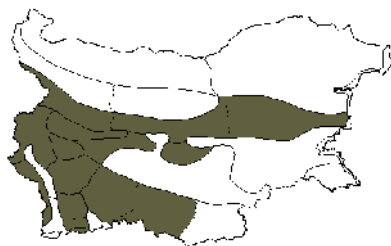
**Bufonia paniculata**  
Dubois



200  
⇕  
0

*Med*

**Bruckenthalia spiculifolia**  
(Salisb.) Rchb.



2250  
⇕  
1000

*subMed*

**Bufonia tenuifolia**  
L.



1000  
⇕  
0

*Eur*

### Buglossoides arvensis

(L.) I. M. Johnst.



1500

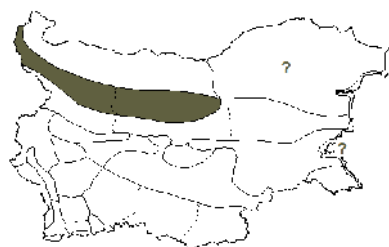


0

Eur-As

### Buglossoides tenuiflora

(L. f.) I. M. Johnst.



200



0

Pont-Med

### Buglossoides glandulosa

(Velen.) R. Fern.



300



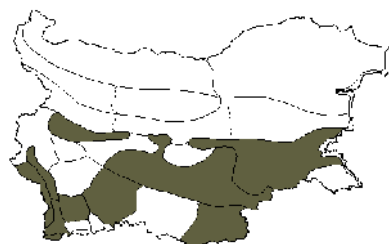
100



subMed

### Bunias erucago

L.



500

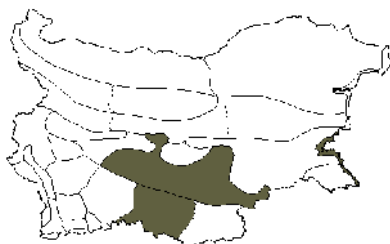


0

Med

### Buglossoides incrassata

(Guss.) I. M. Johnst.



500

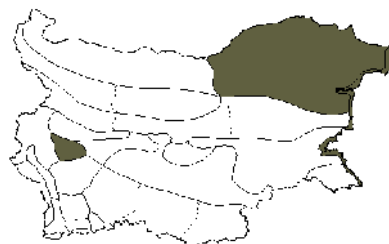


0

Med

### Bunias orientalis

L.



300



0

Eur-Sib

### Buglossoides purpureocaerulea

(L.) I. M. Johnst.



1000

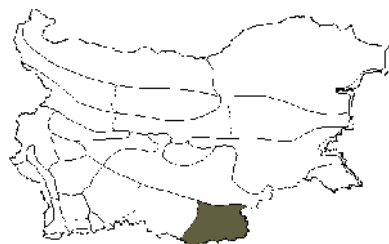


0

Eur-As

### Bunium ferulaceum

Sm.



500



0



Med

### Buglossoides sibthorpiana

(Griseb.) Czerep.



1000

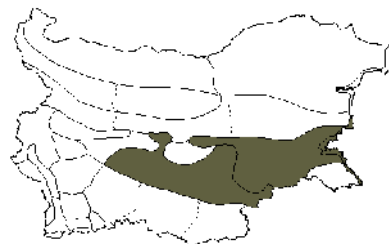


0

Med

### Bupleurum aequiradiatum

(H. Wolff) Snogerup & B. Snogerup



800

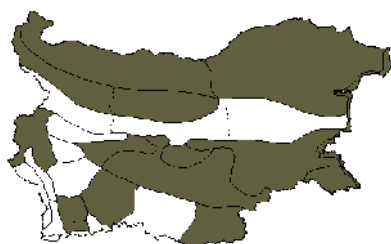


0

Bal

### **Bupleurum affine**

Sadler



800

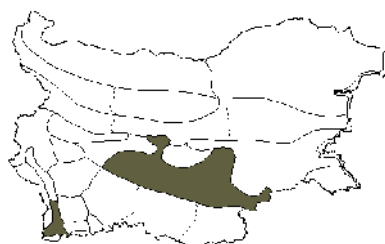


0

subMed

### **Bupleurum euboicum**

Beauverd & Topali



500

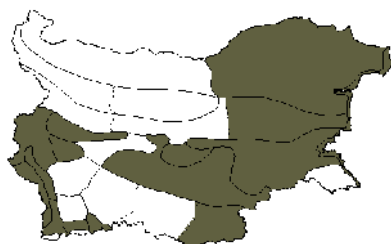


0

EMed

### **Bupleurum apiculatum**

Friv.



400



0

subBal

### **Bupleurum falcatum**

L.



1700

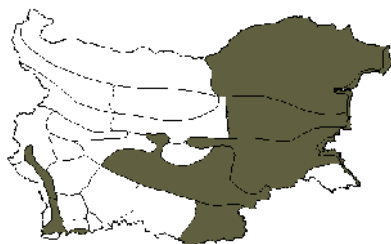


300

subMed

### **Bupleurum asperuloides**

Heldr. ex Boiss.



300

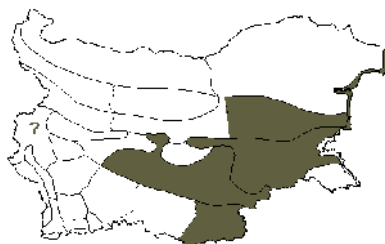


0

subMed

### **Bupleurum flavum**

Forssk.



800

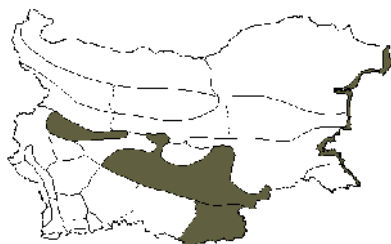


0

Med

### **Bupleurum baldense**

Turra



500

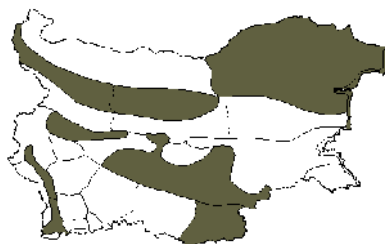


0

Eur

### **Bupleurum gerardi**

All.



600



0

Eur-As

### **Bupleurum commutatum**

Boiss. & Balansa



800

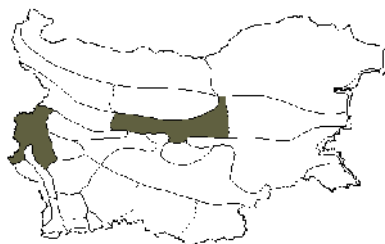


0

Pont-Med

### **Bupleurum longifolium**

L.



1800



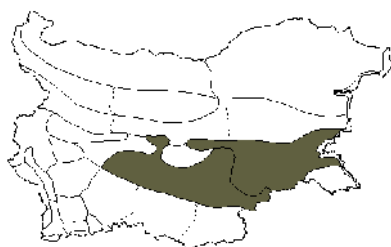
1100



Eur-As

### Bupleurum odontites

L.



400

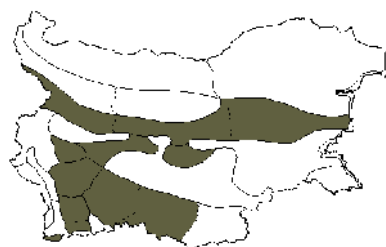


0

Med

### Bupleurum sibthorpiatum

Sm.



2700



1300

subMed

### Bupleurum pachnospermum

Pančić



800



0

SEEur

### Bupleurum tenuissimum

L.



800



0

Eur-Med

### Bupleurum praealtum

L.



800

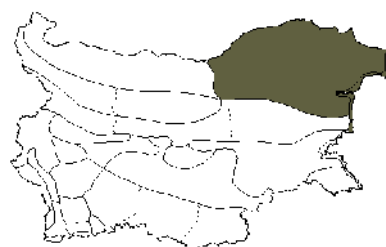


0

subMed

### Bupleurum uechtritizianum

S. Stoyanov



500



0

Bal

### Bupleurum ranunculoides

L.



2000



1700



Eur

### Butomus umbellatus

L.



700



0

Eur-As

### Bupleurum rotundifolium

L.



1000

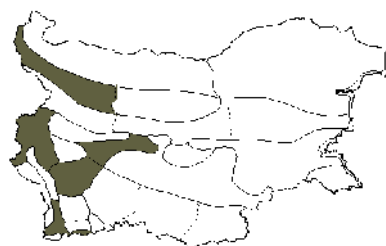


0

Eur-As

### Cachrys alpina

M. Bieb.



1100



250



Pont

### *Cakile maritima*

Scop.



0

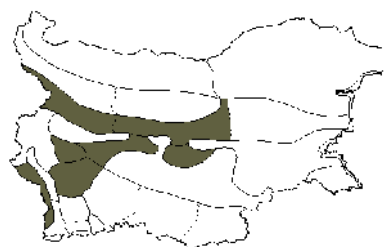


0

Eur-Med

### *Calamagrostis villosa*

(Chaix) J. F. Gmel.



2300



1500

Eur

### *Calamagrostis arundinacea*

(L.) Roth



2000

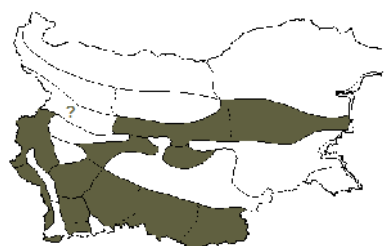


300

subBoreal

### *Calamintha grandiflora*

(L.) Moench



2000

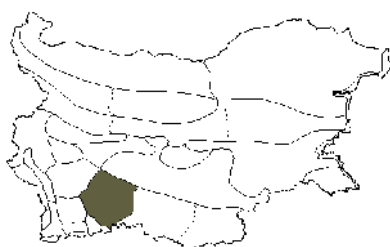


200

Pont-OT

### *Calamagrostis canescens*

(Weber) Roth



1500



1000

Eur-Sib

### *Calamintha nepeta*

(L.) Savi



1000



0

Eur-Med

### *Calamagrostis epigeios*

(L.) Roth



2000



0

Eur-As

### *Calamintha sylvatica*

Bromf.



1500

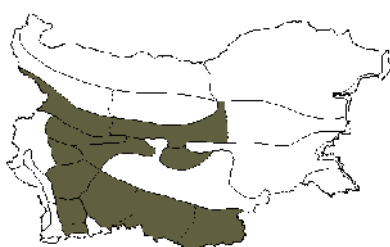


200

Eur-OT

### *Calamagrostis pseudophragmites*

(Haller f.) Koeler



1500



0

Eur-As

### *Caldesia parnassifolia*

(L.) Pall.



500



0



Eur-As

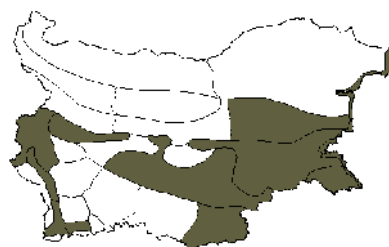
**Calendula arvensis**  
L.



0  
⇕  
0

Med

**Callitriche platycarpa**  
Kütz.



750  
⇕  
0

Eur-Pont

**Calepina irregularis**  
(Asso) Thell.



1000  
⇕  
0

Med

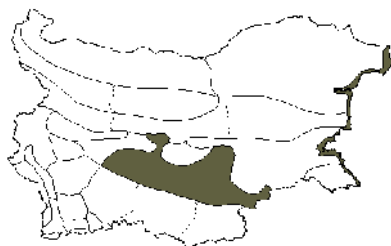
**Callitriche stagnalis**  
Scop.



100  
⇕  
0

Kos

**Callitriche brutia**  
Petagna



100  
⇕  
0

!

Eur-As

**Calluna vulgaris**  
(L.) Hull

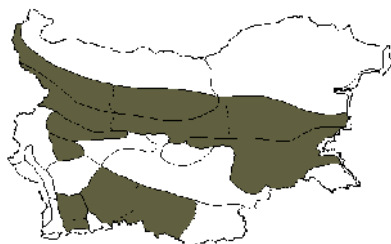


500  
⇕  
200

!

subBoreal

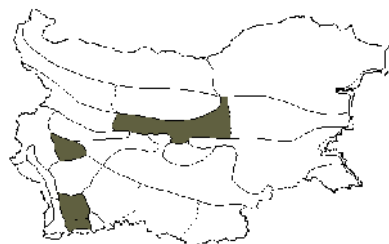
**Callitriche cophocarpa**  
Sendtn.



1700  
⇕  
600

Eur-As

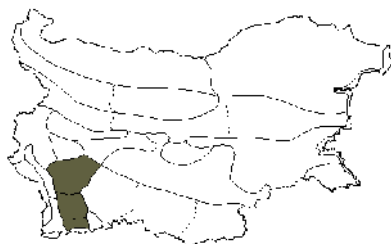
**Caltha alpestris**  
Schott, Nyman & Kotschy



2500  
⇕  
1800

Eur

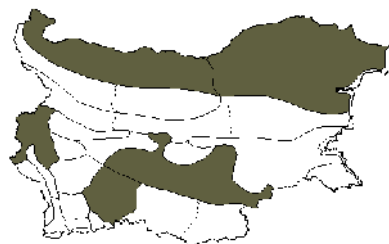
**Callitriche palustris**  
L.



2400  
⇕  
1600

Kos

**Caltha cornuta**  
Schott, Nyman & Kotschy

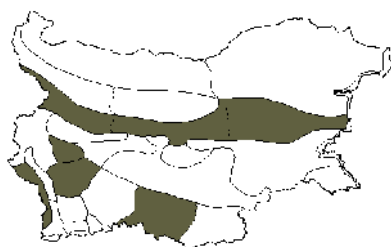


200  
⇕  
100

subMed

### ***Caltha laeta***

Schott, Nyman & Kotschy



2000



1500

subMed

### ***Calystegia sepium***

(L.) R. Br.



1000



0

Kos

### ***Caltha minor***

Mill.



1700

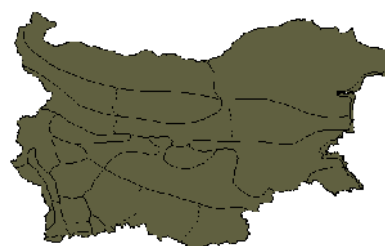


500

Boreal

### ***Calystegia silvatica***

(Kit.) Griseb.



1000

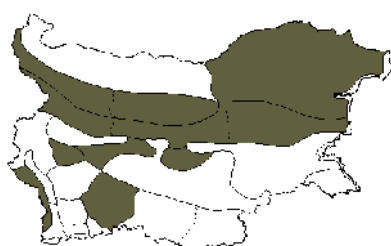


0

Med

### ***Caltha palustris***

L.



1600



0

Eur

### ***Calystegia soldanella***

(L.) R. Br.



0



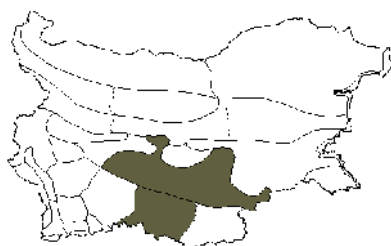
0



Kos

### ***Caltha polypetala***

Hochst. ex Lorent



700

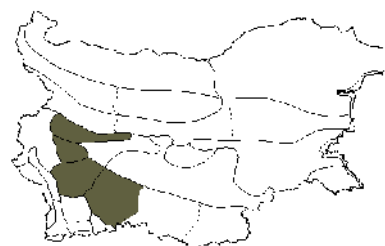


500

Pont-Med

### ***Camelina alyssum***

(Mill.) Thell.



1300

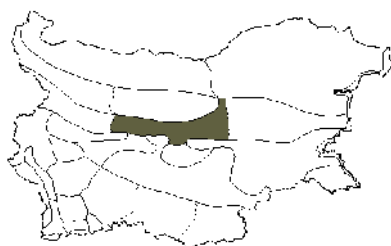


0

Eur-As

### ***Caltha rostrata***

Borbás



2200

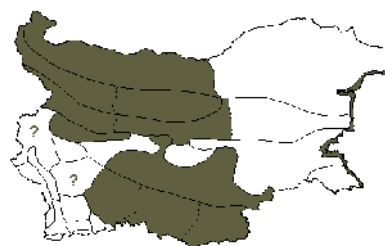


1700

Eur

### ***Camelina microcarpa***

DC.



1000



0

Pont-CAs



### Camelina rumelica

Velen.



800

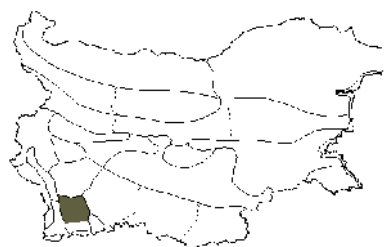


0

Pont-CAs

### Campanula cochlearifolia

Lam.



2900

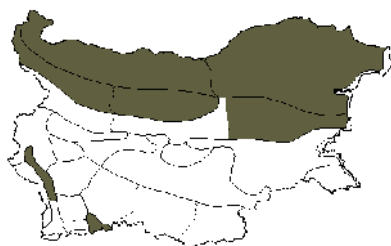


1900

Alp-Carp

### Camelina sativa

(L.) Crantz



1000

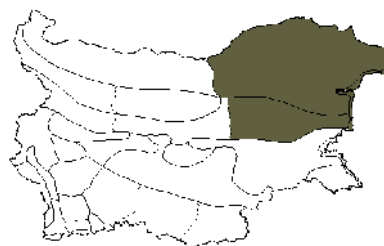


0

Pont-CAs

### Campanula euxina

(Velen.) Ančev



500



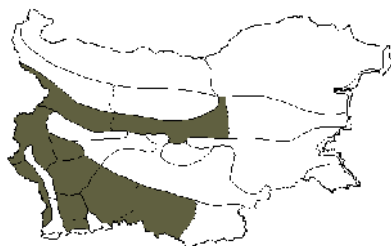
0



Bul

### Campanula alpina

Jacq.



2900



1700

Alp-Carp

### Campanula foliosa

Ten.



SEEur

### Campanula bononiensis

L.



1500

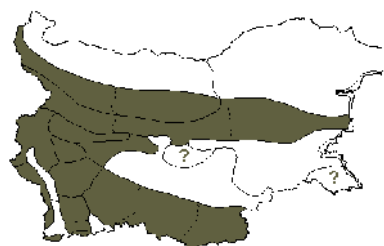


0

Eur

### Campanula glomerata

L.



2300

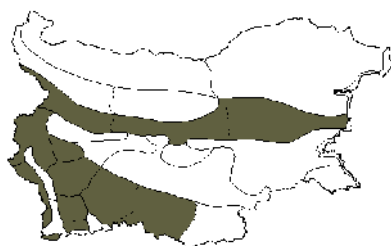


900

Eur-OT

### Campanula cervicaria

L.



2300

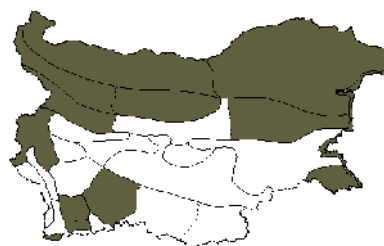


700

SPont

### Campanula grossekii

Heuff.



1300



0

Bal-Dac

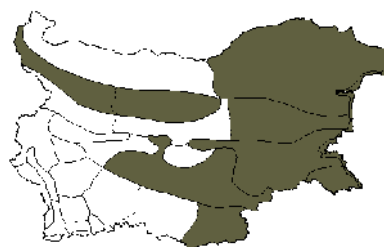
### *Campanula hemschinica*

Koch



### *Campanula macrostachya*

Waldst. & Kit.



700

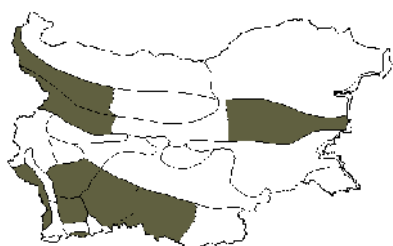


0

Med

### *Campanula jordanovii*

Ančev & Kovanda



1900



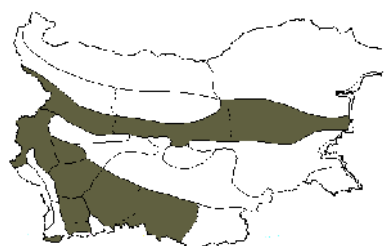
700



Bal

### *Campanula moesiaca*

Velen.



2900

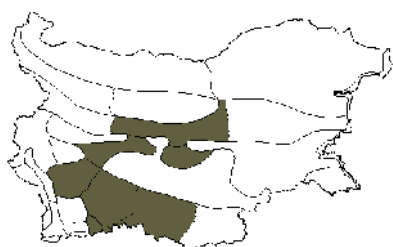


1200

Bal

### *Campanula lanata*

Friv.



1500



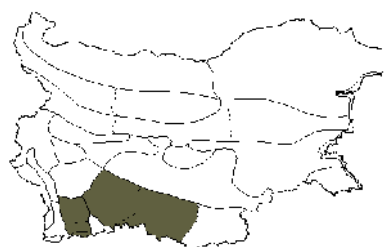
500



Bal

### *Campanula orphanidea*

Boiss.



2100



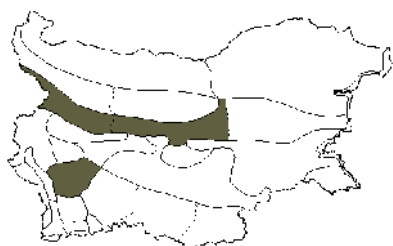
1000



Bal

### *Campanula latifolia*

L.



1700



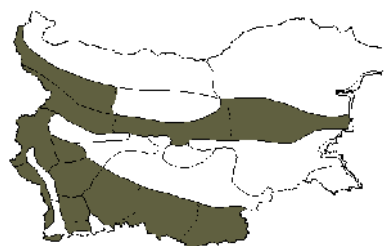
1000



Eur-Sib

### *Campanula patula*

L.



2500



500

Eur

### *Campanula lingulata*

Waldst. & Kit.



1300



0

Ap-Bal

### *Campanula persicifolia*

L.



2000

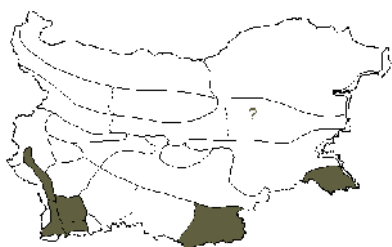


0

Eur-Sib

### *Campanula phrygia*

Jaub. & Spach



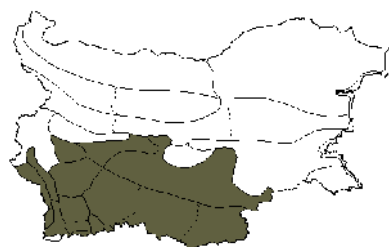
500



0

### *Campanula scutellata*

Griseb.



1000



200

Bal

### *Campanula rapunculoides*

L.



1900

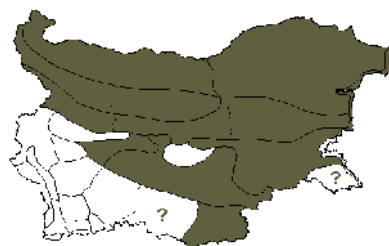


0

Eur

### *Campanula sibirica*

L.



700



0

subMed

### *Campanula rapunculus*

L.



1300



0

Eur-Sib

### *Campanula sparsa*

Friv.



1700

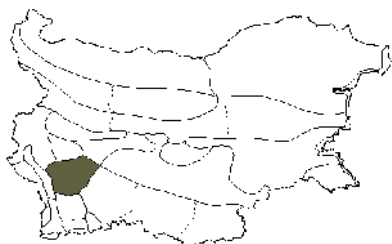


300

Bal-Carp

### *Campanula rotundifolia*

L.



2900



1000

Boreal

### *Campanula spatulata*

Sm.



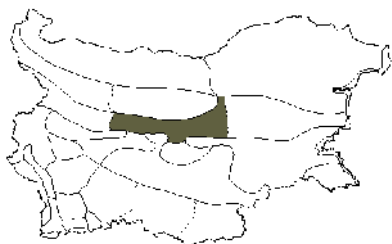
2200



1500

### *Campanula scheuchzeri*

Vill.



2000

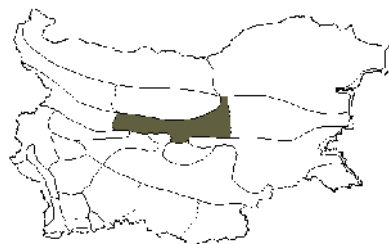


1300

Eur

### *Campanula thyrsoides*

L.



2300



2000

Alp-Bal

### Campanula trachelium

L.



1500

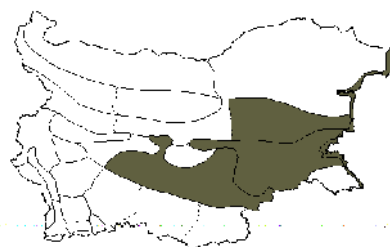


0

Boreal

### Camphorosma annua

Pall.



300

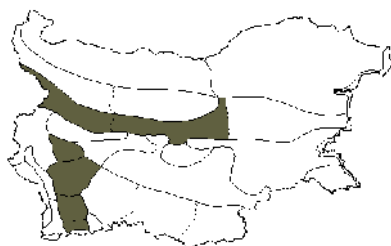


0

subMed

### Campanula transsilvanica

Schur ex Andrae



2700



1900



Carp-Bal

### Camphorosma monspeliaca

L.



500

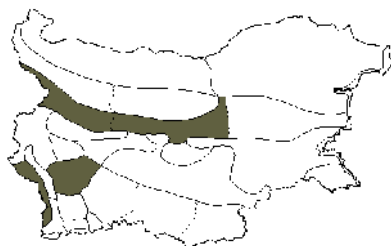


0

Eur-As

### Campanula trojanensis

Kovanda & Ančev



2000



1300

Bul

### Cannabis sativa

L.



500

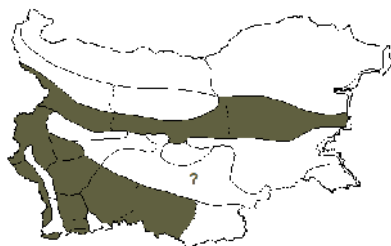


0

Adv

### Campanula velebitica

Borbás



2500



700

Bal

### Capsella bursa-pastoris

(L.) Medicus



2000



0

Kos

### Campanula versicolor

Andrews



600



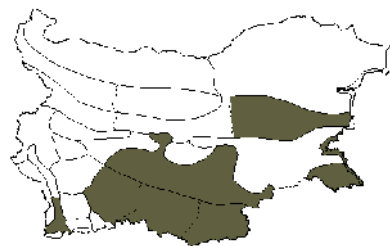
0



EMed

### Capsella rubella

Reut.



700

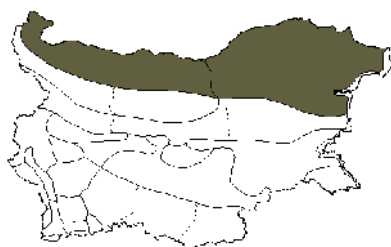


0

subMed

### **Caragana frutex**

(L.) C. Koch



200



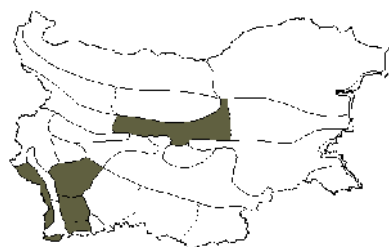
200



Pont-Sib

### **Cardamine glauca**

Spreng.



2600

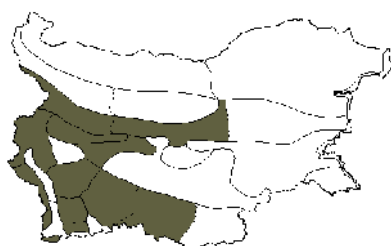


1600

subMed

### **Cardamine acris**

Griseb.



2200



1400

subMed

### **Cardamine graeca**

L.



1200

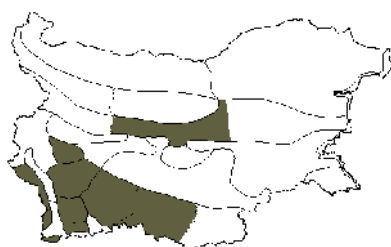


0

Med

### **Cardamine amara**

L.



2200



1000

Eur-As

### **Cardamine hirsuta**

L.



1000



0

Eur-As

### **Cardamine bulbifera**

(L.) Crantz



1400

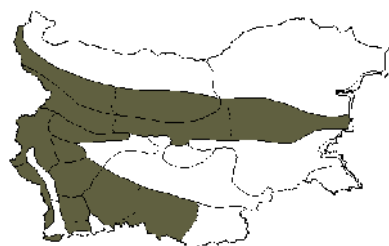


0

subBoreal

### **Cardamine impatiens**

L.



1500

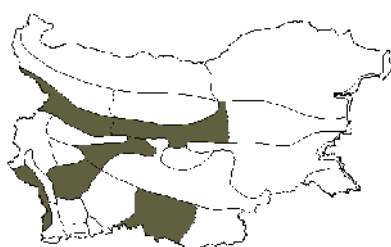


400

Eur-As

### **Cardamine flexuosa**

With.



1500

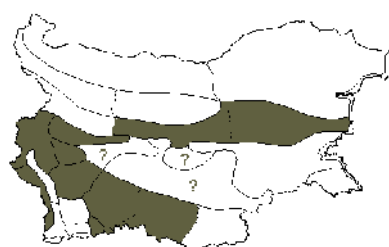


600

Boreal

### **Cardamine matthioli**

Moretti



1000



0

Eur

**Cardamine parviflora**  
L.



250

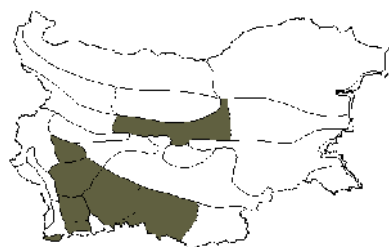


250



Eur-As

**Cardamine rivularis**  
Schur



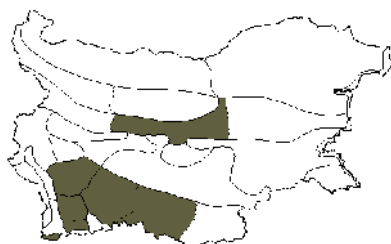
2400



1000

Carp-Bal

**Cardamine pectinata**  
Pall. ex DC.



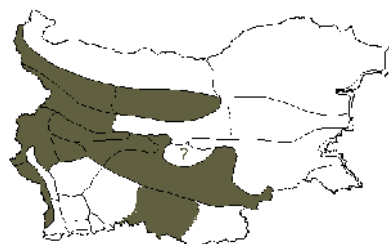
1600



800

subMed

**Cardaminopsis arenosa**  
(L.) Hayek



1000



0

Eur

**Cardamine penzesii**  
Ančev & Marhold



50



0



Eux

**Cardaria draba**  
(L.) Desv.



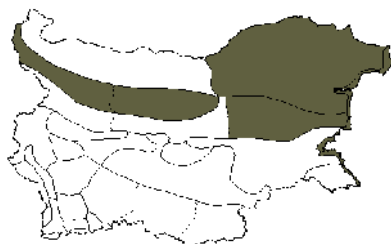
1000



0

Eur-Med

**Cardamine quinquefolia**  
(M. Bieb.) Schmalh.



600



0

subMed

**Carduus acanthoides**  
L.



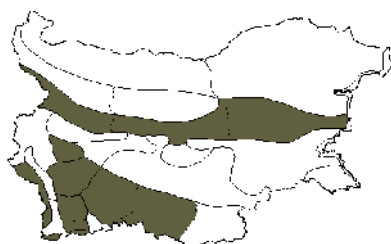
1000



0

Eur

**Cardamine resedifolia**  
L.



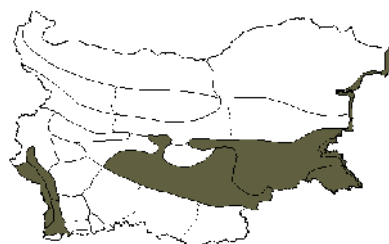
2500



1800

Carp-Bal

**Carduus acicularis**  
Bertol.



1500

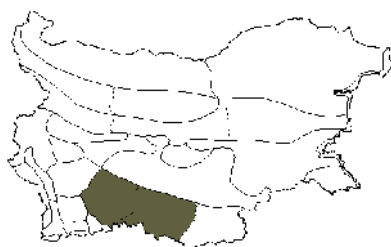


0

Med

### **Carduus adressus**

C. A. Mey.



2000



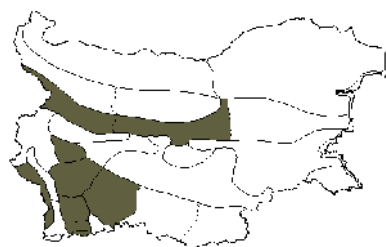
1000



Bal-Anat

### **Carduus kernerii**

Simonk.



2800



2000

Eur

### **Carduus candicans**

Waldst. & Kit.



1000



0

Bal-Dac

### **Carduus nutans**

L.



1500

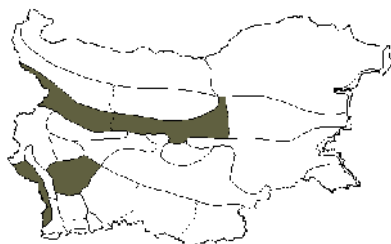


0

Eur-Med

### **Carduus carduelis**

(L.) Gren.



2500

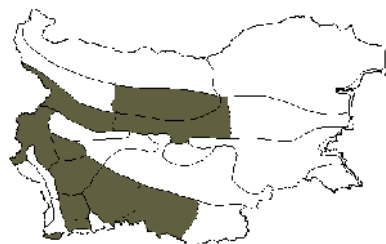


1800

Eur

### **Carduus personata**

(L.) Jacq.



2500

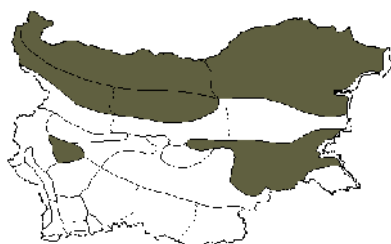


0

Eur

### **Carduus crispus**

L.



2000

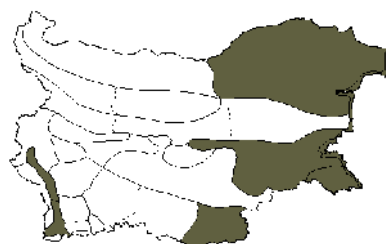


0

Eur-Med

### **Carduus pycnocephalus**

L.



500

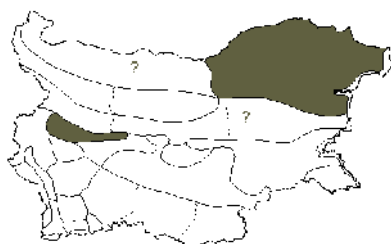


0

Med

### **Carduus hamulosus**

Ehrh.



500



0

Med

### **Carduus thoermeri**

Weinm.



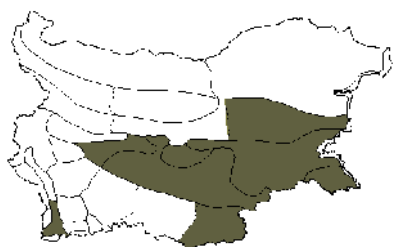
1500



0

Pont-Pann-Bal

**Carduus thracicus**  
(Velen.) Hayek



1000

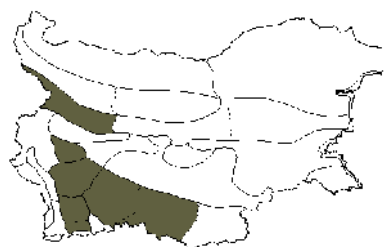


0



Bal

**Carex atrata**  
L.



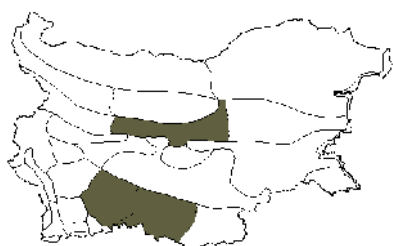
2600



2000

Eur

**Carduus tmoleus**  
Boiss.



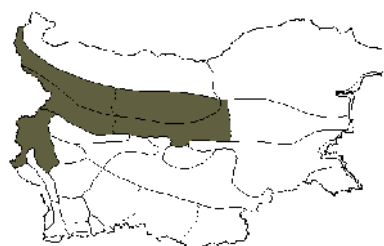
2000



1500

Bal-Anat

**Carex brevicollis**  
DC. in Lam.



1000



200

Eur-Med

**Carex acuta**  
L.



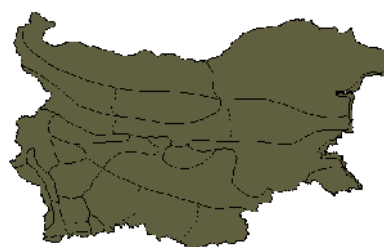
2400



0

Eur-Sib

**Carex bueckii**  
Wimm.



1000



0

Eur

**Carex acutiformis**  
Ehrh.



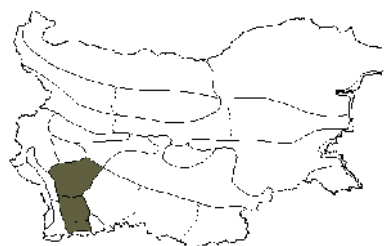
1100



0

Kos

**Carex bulgarica**  
(Domin) Lazare



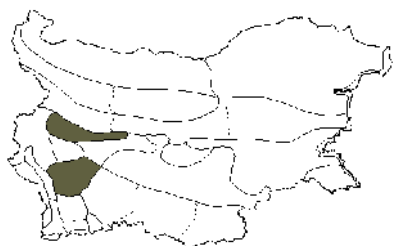
2600



1500

Bul

**Carex appropinquata**  
A. Schumach.



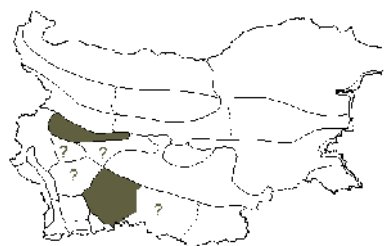
1000



500

Eur-Sib

**Carex buxbaumii**  
Wahlenb.



1300

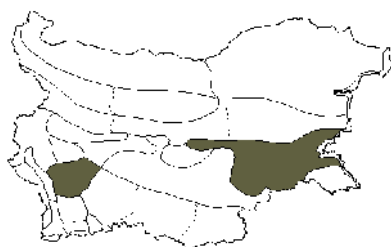


600

Kos



**Carex caespitosa**  
L.



800



400

Eur-As

**Carex depauperata**  
Curtis ex With.



1000



0

subMed

**Carex caryophyllea**  
Latourr.



2700



200

Boreal

**Carex digitata**  
L.



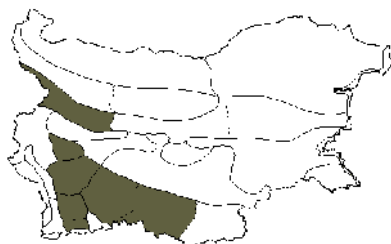
2400



0

Eur-Sib

**Carex curta**  
Good.



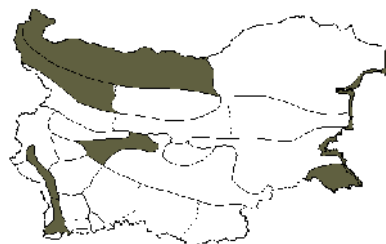
2500



1400

Boreal

**Carex distachya**  
Desf.



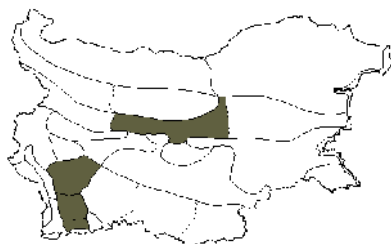
400



0

Med

**Carex curvula**  
All.



2900



2300

Alp-Med

**Carex distans**  
L.



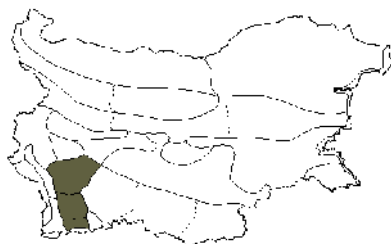
1300



0

Eur-As

**Carex dacica**  
Heuff.



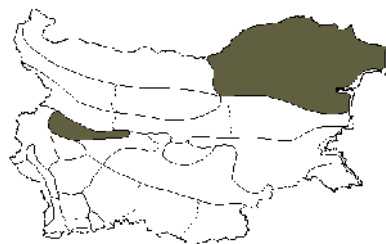
2700



2300

Carp-Bal-Cauc

**Carex disticha**  
Huds.



700



20

Pont-Sib

### Carex divisa

Huds.



1000

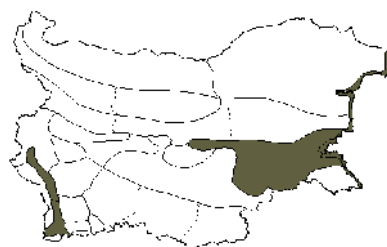


0

Eur-As

### Carex extensa

Good.



200

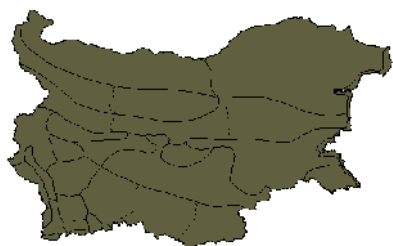


0

Eur-Am

### Carex divulsa

Stokes



1600

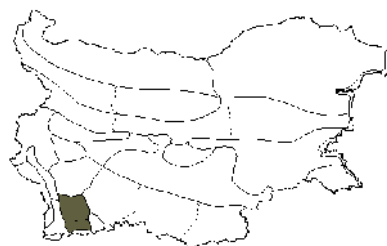


200

Eur-As

### Carex ferruginea

Scop.



2100

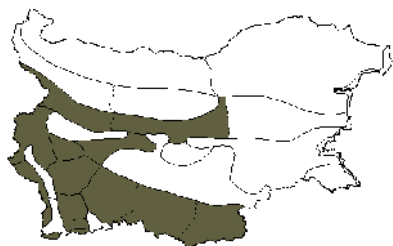


2100

Alp-Med

### Carex echinata

Murr.



2500



500

Kos

### Carex flacca

Schreb.



1000

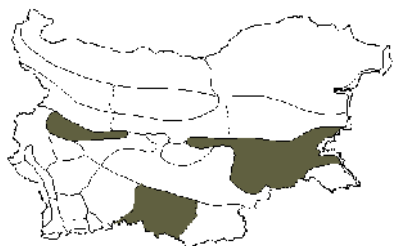


0

Kos

### Carex elata

All.



1500

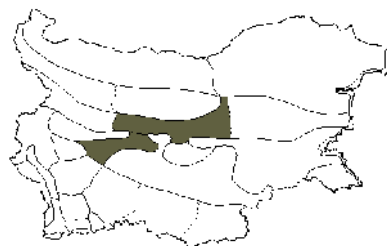


400

Eur

### Carex flava

L.



1600

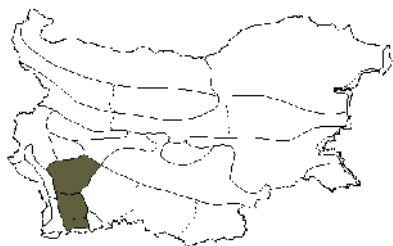


1000

Boreal

### Carex ericetorum

Pollich



2600

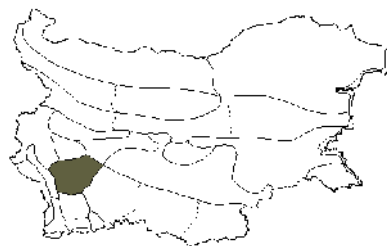


2100

Eur-Sib

### Carex fuliginosa

Schkuhr



2700



2000

Boreal

### Carex hallerana

Asso



1000



0

Eur-As

### Carex hostiana

DC.



100

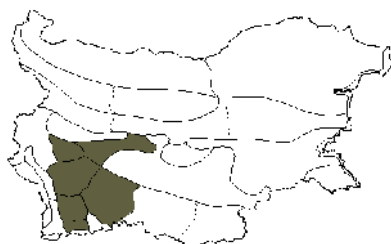


0

Eur

### Carex hartmanii

Cajander



1500



700

Boreal

### Carex humilis

Leyss.



2000



0

Eur-As

### Carex heleonastes

Ehrh. ex L. f.



2000

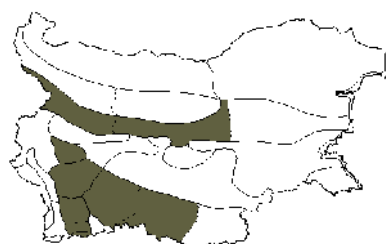


1800

Eur-Sib

### Carex kitaibeliana

Degen ex Bech.



2900



900

subMed

### Carex hirta

L.



1500

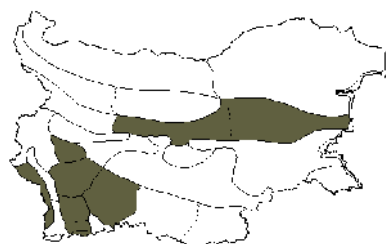


0

Boreal

### Carex laevigata

Sm.



1200

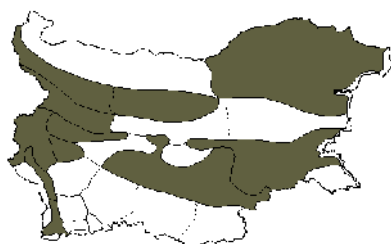


200

Eur

### Carex hordeistichos

Vill.



1000

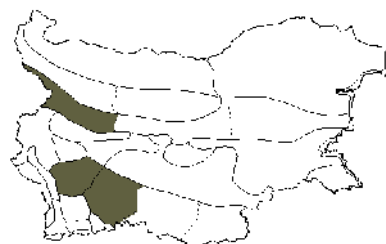


100

subBoreal

### Carex lasiocarpa

Ehrh.



1500

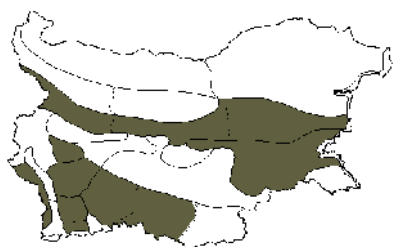


800

Boreal

### Carex lepidocarpa

Tausch



1600



1000

Boreal

### Carex melanostachya

M. Bieb. ex Willd.



600

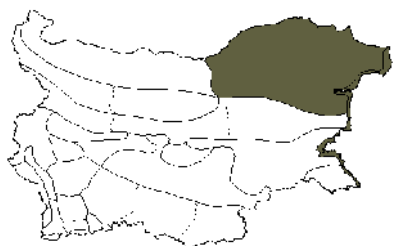


200

subMed

### Carex ligerica

J. Gay



200

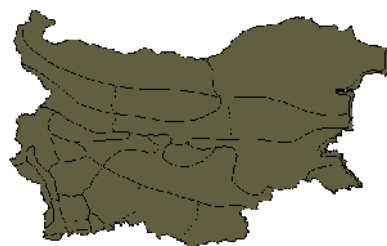


0

Eur

### Carex michelii

Host



1200

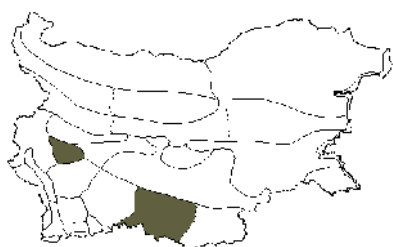


0

Eur

### Carex limosa

L.



1800

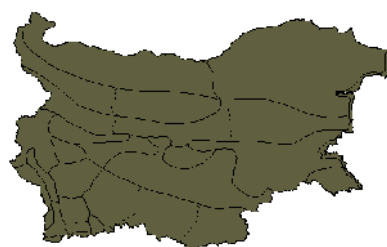


1300

Boreal

### Carex montana

L.



1900



200

Eur-Sib

### Carex liparocarpos

Gaudin



2000



0

Pont-Med

### Carex muricata

L.



1500



200

Kos

### Carex magellanica

Lam.



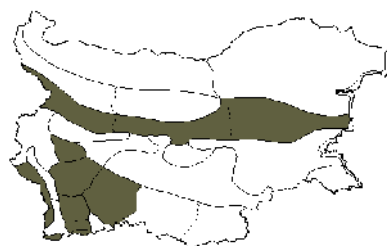
1000



500

### Carex nigra

(L.) Rchb.



2800



1500

Alp-Carp

### Carex otrubae

Podp.



1000

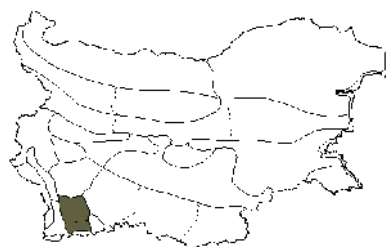


200

Eur

### Carex parviflora

Host



2400



2000

Alp

### Carex ovalis

Good.



2400

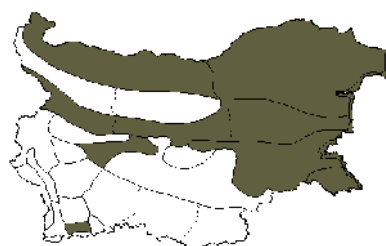


0

Kos

### Carex pendula

Huds.



1800



0

subMed

### Carex pallescens

L.



2000

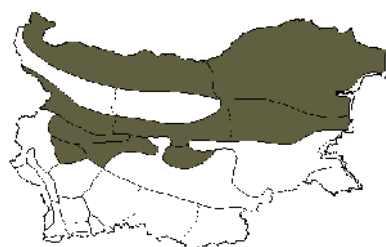


300

Boreal

### Carex pilosa

Scop.



2000



700

Eur-As

### Carex panicea

L.



1600



200

Boreal

### Carex praecox

Schreb.



1000



0

Eur-Sib

### Carex paniculata

L.



2000

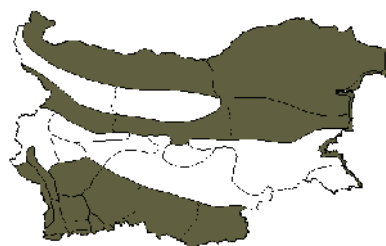


600

subBoreal

### Carex pseudocyperus

L.



2000

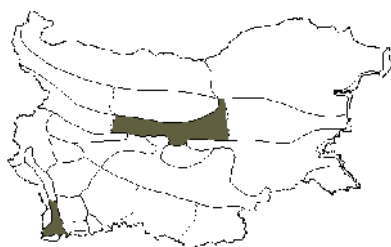


0

Kos

### Carex punctata

Gaudin



500



0

Eur-Med

### Carex rostrata

Stokes



2400

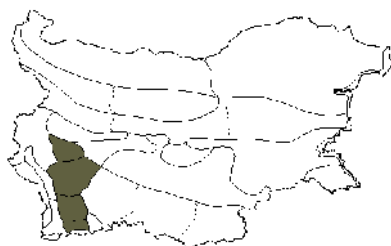


1800

Boreal

### Carex pyrenaica

Wahlenb.



2500

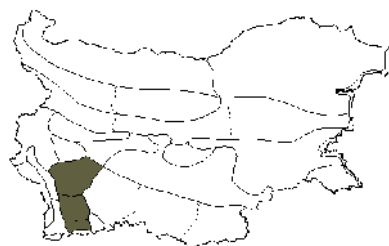


2000

Alp-Med

### Carex rupestris

Bellardi ex All.



2800



2400

Boreal

### Carex remota

L.



2000

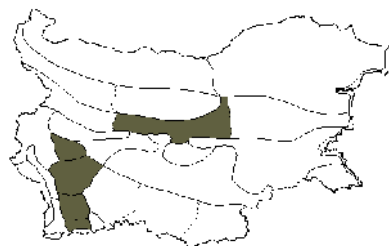


0

Eur-As

### Carex sempervirens

Vill.



2800

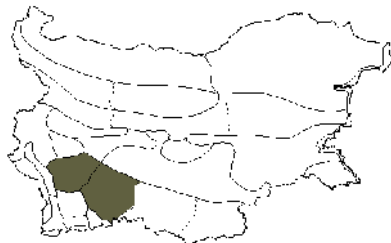


800

Alp-Med

### Carex riloensis

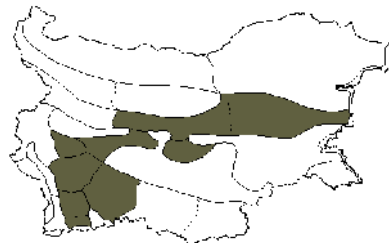
Stoeva & Popova



Bul

### Carex serotina

Mérat



2000



800

Eur-As

### Carex riparia

Curtis



1000

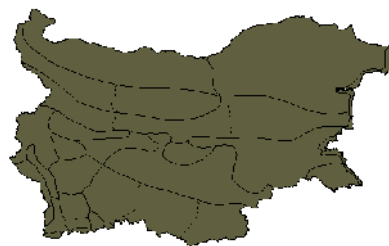


200

Eur-As

### Carex spicata

Huds.



1500



200

Eur-As

### Carex strigosa

Huds.



100

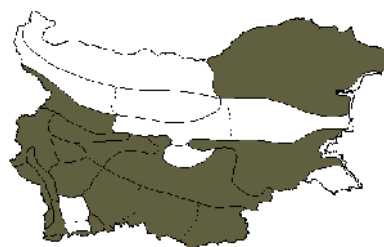


0

Eur-OT

### Carex vesicaria

L.



1400



200

Boreal

### Carex sylvatica

Huds.



1600



200

subMed

### Carlina acanthifolia

All.



2000



0

Eur

### Carex tomentosa

L.



1500

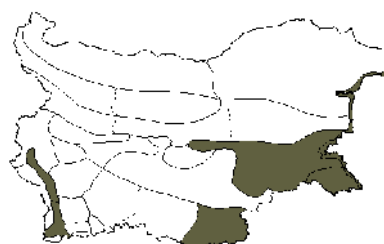


200

Eur-Sib

### Carlina corymbosa

L.



1000

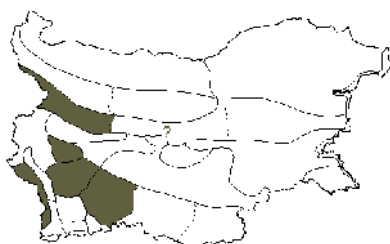


0

Med

### Carex tricolor

Velen.



2700

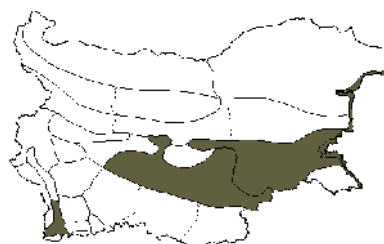


1700

Bul

### Carlina lanata

L.



1000

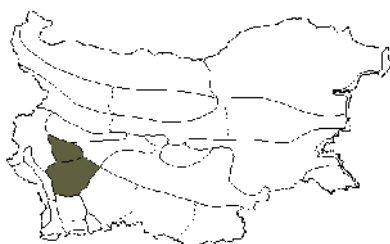


0

Med

### Carex umbrosa

Host



2000

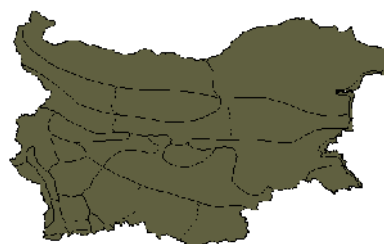


1500

Eur

### Carlina vulgaris

L.



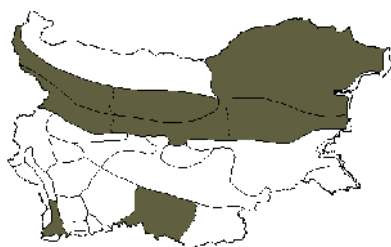
1500



0

Eur-Med

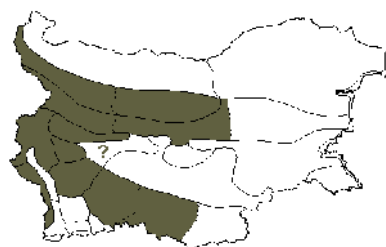
**Carpesium cernuum**  
L.



1000  
⇕  
0

Eur-As

**Carum carvi**  
L.



1600  
⇕  
700

Eur-As

**Carpinus betulus**  
L.



1500  
⇕  
0

Eur-subMed

**Carum graecum**  
Boiss. & Heldr.



2100  
⇕  
900

Bal

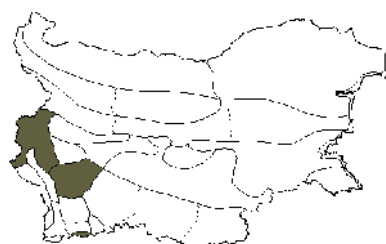
**Carpinus orientalis**  
Mill.



1100  
⇕  
0

subMed

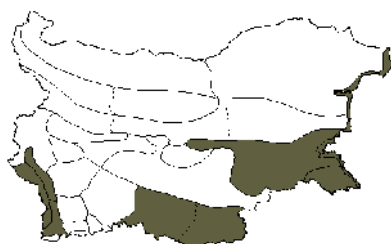
**Carum multiflorum**  
(Sm.) Boiss.



1000  
⇕  
0

Med

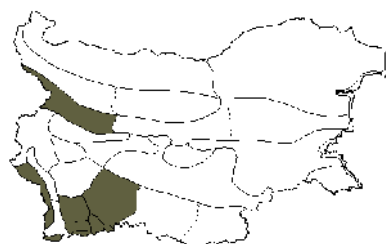
**Carthamus dentatus**  
(Forssk.) Vahl



1000  
⇕  
0

Bal-Anat

**Castanea sativa**  
Mill.



1000  
⇕  
0

Med

**Carthamus lanatus**  
L.



1000  
⇕  
0

subMed

**Catabrosa aquatica**  
(L.) P. Beauv.



800  
⇕  
0

Boreal



### Catalpa speciosa

(Warder) Engelm.



600

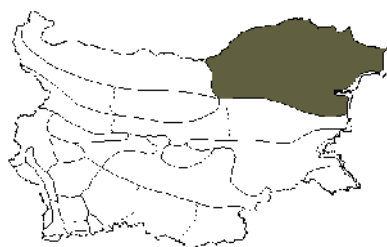


500

Adv (NAm)

### Cenchrus incertus

M. A. Curtis



200



0

Adv (Am)

### Caucalis platycarpus

L.



1200

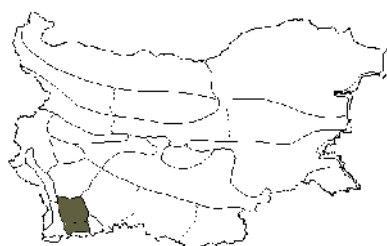


0

Eur-CAs

### Centaurea achtarovii

Urum.



2500



2000



Bul

### Celtis australis

L.



500



0

Med

### Centaurea affinis

Friv.



1000

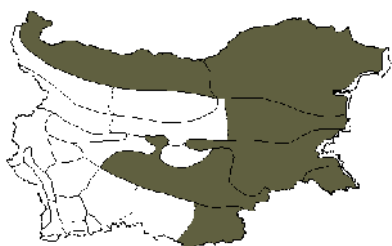


0

Bal-Dac

### Celtis plachoniana

K.I. Chr.



500



0

Pont

### Centaurea alba

L.



1500



0

subMed

### Celtis tournefortii

Lam.



1000



500

Eur-As

### Centaurea apiculata

Ledeb.



1000

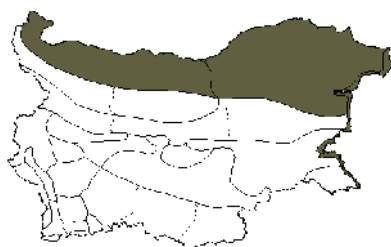


0

Eur-Sib

### *Centaurea arenaria*

M. Bieb.



300



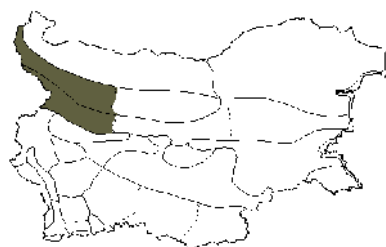
0



Eur-Med

### *Centaurea calocephala*

Willd.



1000



0



Pont

### *Centaurea biebersteinii*

DC.



1500

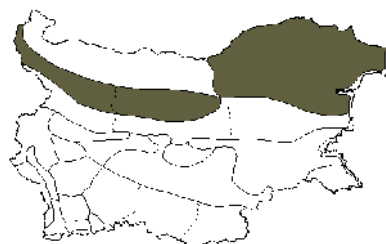


1000

subMed

### *Centaurea calvescens*

Pančić



1000

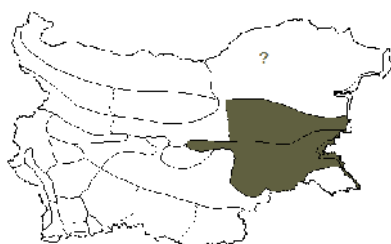


0

subMed

### *Centaurea bovina*

Velen.



500



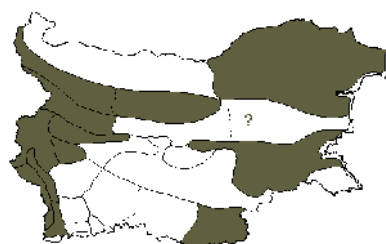
0



Bal

### *Centaurea chrysolepis*

Vis.



1000



0

Bal

### *Centaurea calcitrapa*

L.



1000



0

Med

### *Centaurea cuneifolia*

Sm.



1000



0

subBal

### *Centaurea caliacrae*

Prodán



200



0

Bal

### *Centaurea cyanus*

L.



1000

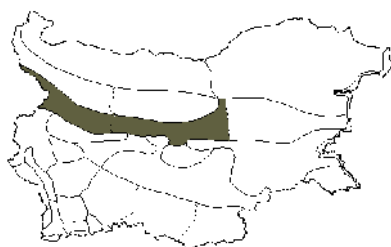


0

Eur-Med

### *Centaurea davidovii*

Urum.



1700

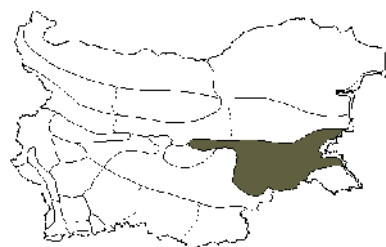


1600

Bul

### *Centaurea diospolitana*

(Bancheva & S. Stoyanov) Bancheva



400



300

### *Centaurea degeniana*

H. Wagner



500

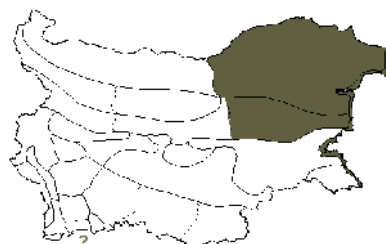


0

Eur

### *Centaurea euxina*

Velen.



200

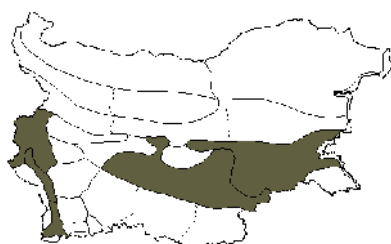


0

Bul

### *Centaurea depressa*

M. Bieb.



500

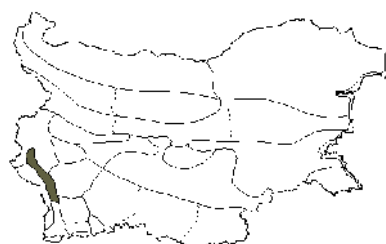


0

Med-CAs

### *Centaurea finazzeri*

Adamović



800



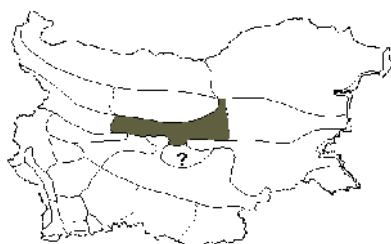
0



Bal

### *Centaurea deusta*

Ten.



1500

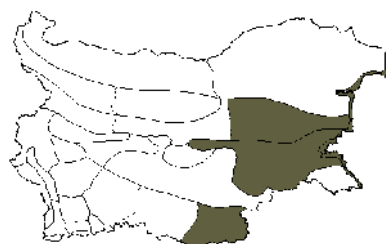


0

subMed

### *Centaurea gracilentia*

Velen.



1800



500



Pont

### *Centaurea diffusa*

Lam.



1000

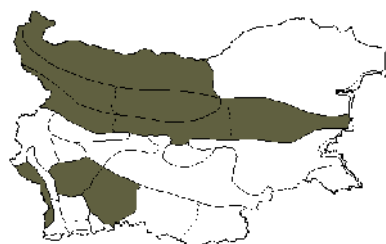


0

Pont-Med

### *Centaurea grinensis*

Reut.



1500

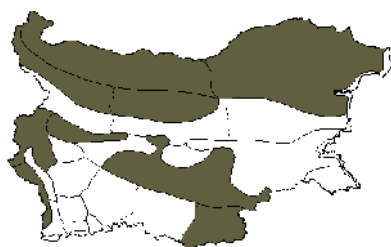


0

CEur-subMed

### *Centaurea iberica*

Trev. ex Spreng.



1000

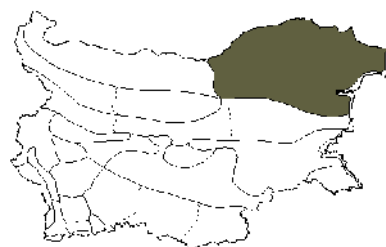


0

subMed

### *Centaurea jankae*

D. Brândză



700



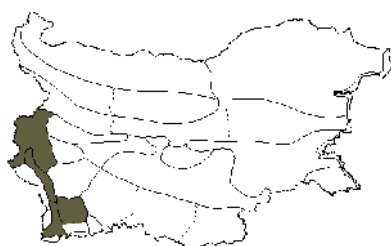
300



Bal

### *Centaurea immanuelis-loewii*

Degen



500



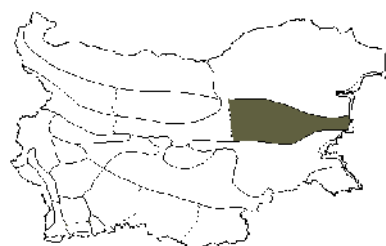
0



Bal

### *Centaurea kamciensis*

Kočev & S. P. Gančev



500

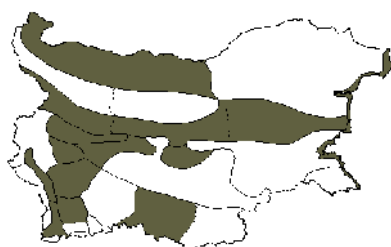


0

Bul

### *Centaurea indurata*

Janka



1500

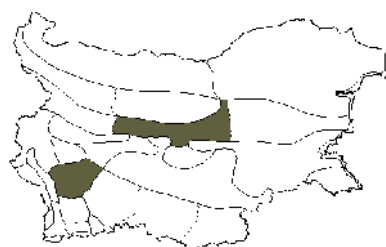


0

Carp-Bal

### *Centaurea kernerana*

Janka



2700



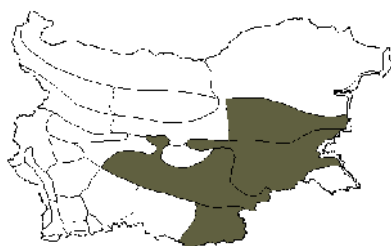
1800



Bul

### *Centaurea inermis*

Velen.



500



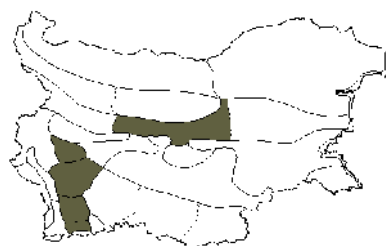
0



Bul

### *Centaurea kotschyana*

Heuff. ex Koch



2900



1500

Carp-Bal

### *Centaurea jacea*

L.



1500

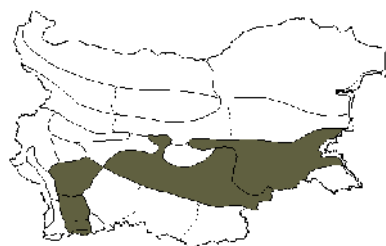


0

Eur-Sib

### *Centaurea mannagettae*

Podp.



1000



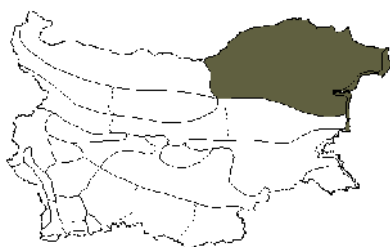
0



Bal

### *Centaurea marshalliana*

Spreng.



500



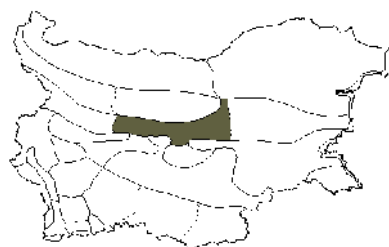
0



Pont-Sib

### *Centaurea nigrescens*

Willd.



1000



0



subMed

### *Centaurea moesiaca*

Urum. & H. Wagner



1300

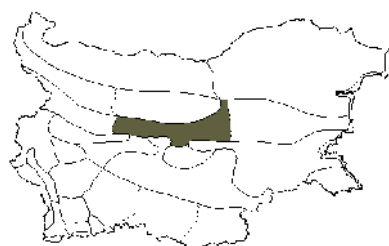


450

Bul

### *Centaurea ognianoffii*

Urum.



1500

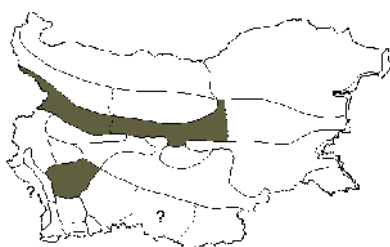


0

Bul

### *Centaurea napulifera*

Rochel



2000

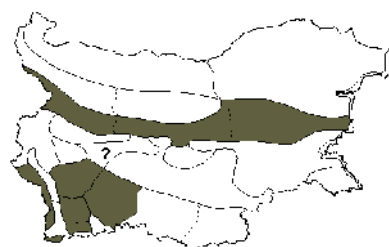


0

Bal

### *Centaurea orbelica*

Velen.



2100

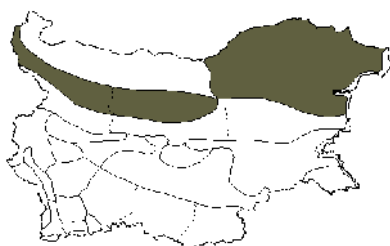


800

Bal

### *Centaurea neiceffii*

Degen & H. Wagner



1000



0

Bul

### *Centaurea orientalis*

L.



1500

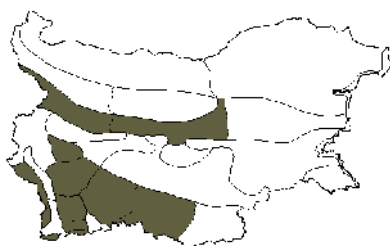


0

Pont-Med

### *Centaurea nervosa*

Willd.



2900

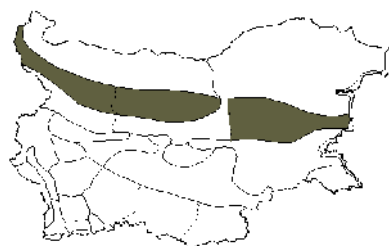


1800

Alp-Carp-Bal

### *Centaurea ovina*

Pall. ex Willd.



500

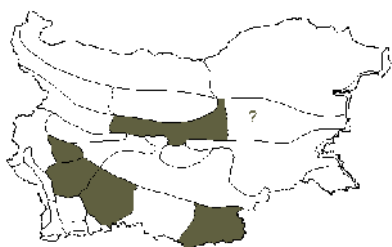


0

Pont

### *Centaurea pallidior*

Halácsy



1800

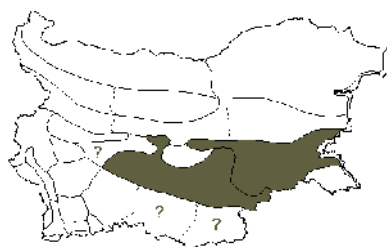


0

Bal

### *Centaurea pseudoaxillaris*

Stef. & T. Georg.



450



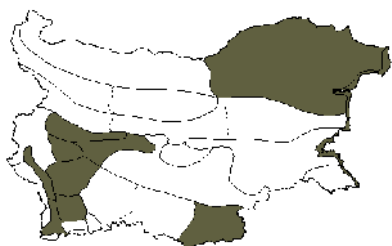
100



Bul

### *Centaurea pannonica*

(Heuffel) Simonk.



2000



0

Pont-Sib

### *Centaurea rocheliana*

(Heuffel) Dostál



800



0

Eur

### *Centaurea parilica*

Stoj. & Stef.



2000



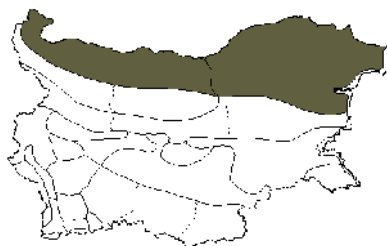
1000



Bal

### *Centaurea rumelica*

Boiss.



500



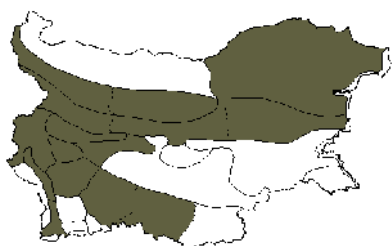
0



Bal

### *Centaurea phrygia*

L.



1500

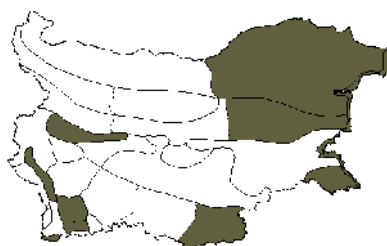


500

Eur

### *Centaurea rutifolia*

Sm.



500

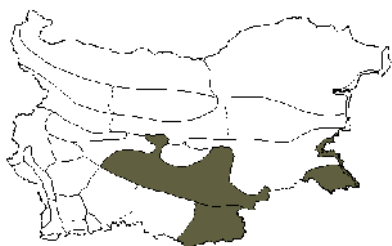


0

Bal

### *Centaurea pichleri*

Sm.



800



0



Bal-Anat

### *Centaurea salonitana*

Vis.



1000



0

Pont-Med

### *Centaurea scabiosa*

L.



1500



0

Eur-Sib

### *Centaurea sterilis*

Steven



200



0

Pont

### *Centaurea solstitialis*

L.



1000



0

Eur-Med

### *Centaurea stoebe*

L.



2700

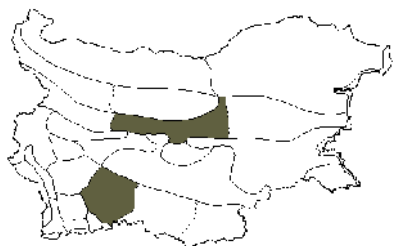


100

subMed

### *Centaurea splendens*

L.



1500



0

Pont-Med

### *Centaurea subciliaris*

Boiss. & Heldr.



Bal

### *Centaurea stenolepis*

A. Kern.



1000

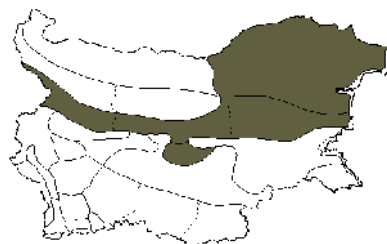


0

subMed

### *Centaurea tenuiflora*

DC.



1000

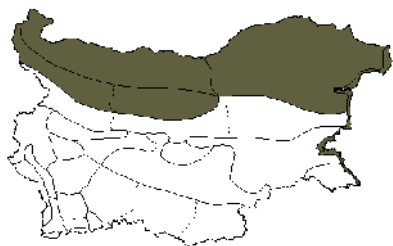


0

Eur

### *Centaurea stereophylla*

Besser



1000

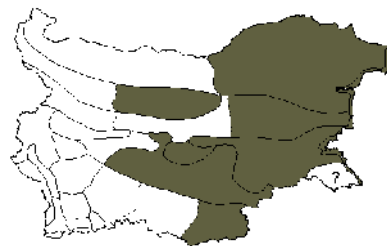


0

Pont

### *Centaurea thirkei*

Sch. Bip.



800



0

Bal-Anat

### *Centaurea thracica*

(Janka) Hayek



1000

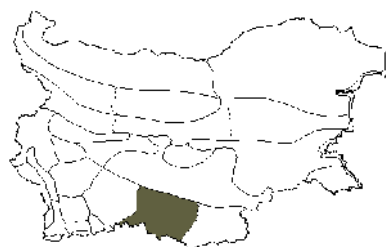


0

Eux-Pont

### *Centaurea vandasii*

Velen.



1000



0

Bul

### *Centaurea trinervia*

Willd.



700

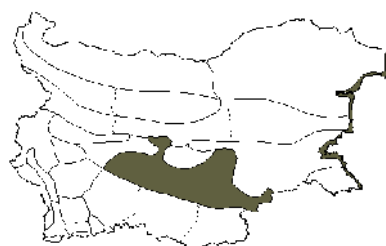


300

Pont

### *Centaurea varnensis*

Velen.



500



0

Bal

### *Centaurea triumfetti*

All.



2900

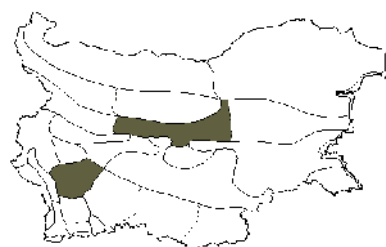


500

subMed

### *Centaurea velenovskyi*

Adamović



2000

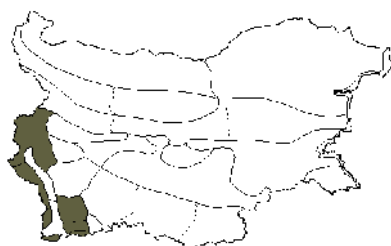


1800

Bal

### *Centaurea tuberosa*

Vis.



2200

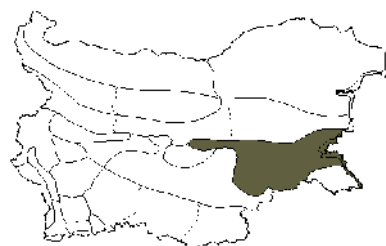


1000

Bal

### *Centaurea wagenitziana*

Bancheva & Kit Tan



400



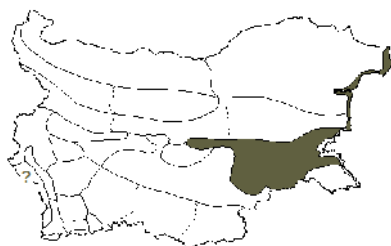
300



Bal

### *Centaurea tymphaea*

Hausskn.



500



0

Bal

### *Centaureum erythraea*

Raf.



1500



0

subMed



### ***Centaurium littorale***

(D. Turn.) Gilm.



50



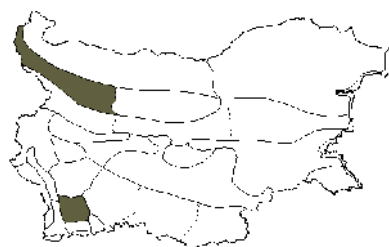
0



SEEur

### ***Centranthus kellereri***

(Stoj., Stef. & T. Georg.) Stoj. et Stef.



2400



1000



Bul

### ***Centaurium maritimum***

(L.) Fritsch



100



0



Med

### ***Cephalanthera damasonium***

(Mill.) Druce



1500

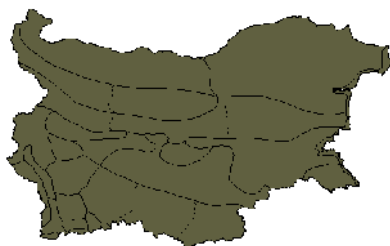


0

subMed

### ***Centaurium pulchellum***

(Sw.) Druce



1000

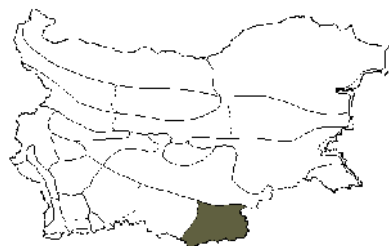


0

Eur-As

### ***Cephalanthera epipactoides***

Fisch. & C. A. Mey.



300



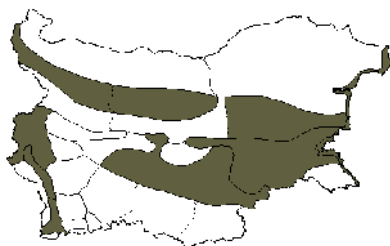
0



Bal-Anat

### ***Centaurium spicatum***

(L.) Fritsch



600



0

Eur-As

### ***Cephalanthera longifolia***

(L.) Fritsch



1000

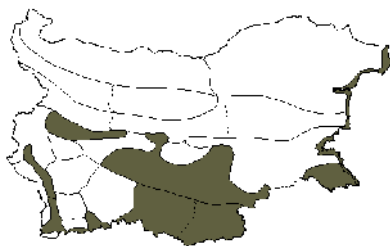


0

Eur-OT

### ***Centaurium turcicum***

(Velen.) Ronniger ex Fritsch



900

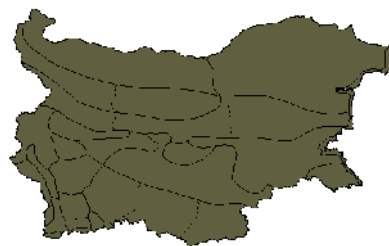


0

subMed

### ***Cephalanthera rubra***

(L.) Rich.



1700

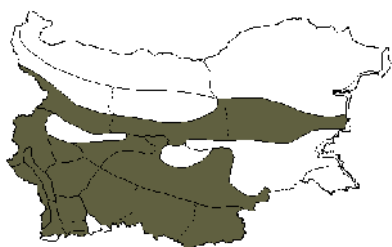


0

Eur-As

### **Cephalaria flava**

(Sm.) Szabó



2900

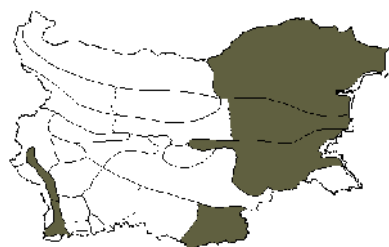


1000

Bal

### **Cephalorrhynchus tuberosus**

(Steven) Schchian



1000



0

Pont

### **Cephalaria laevigata**

(Waldst. & Kit.) Schrad.



1000

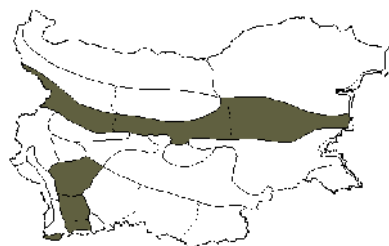


0

subMed

### **Cerastium alpinum**

L.



2900

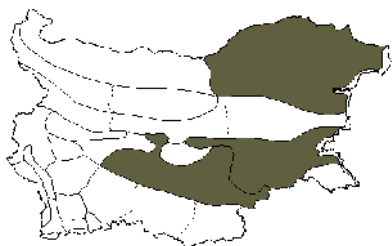


1500

Arct-Alp

### **Cephalaria syriaca**

(L.) Roem. & Schult.



1000



0

Pont-Med

### **Cerastium arvense**

L.



2000

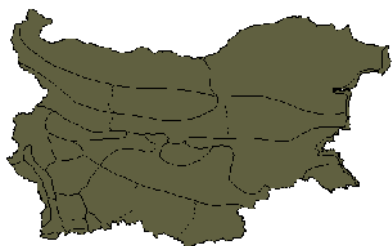


1000

Boreal

### **Cephalaria transsylvanica**

(L.) Roem. & Schult.



1000

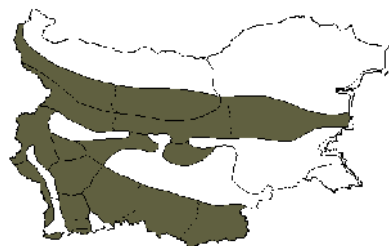


0

Pont-Med

### **Cerastium banaticum**

(Rochel) Heuff.



2000



1000

subMed

### **Cephalaria uralensis**

(Murr.) Roem. & Schult.



1000

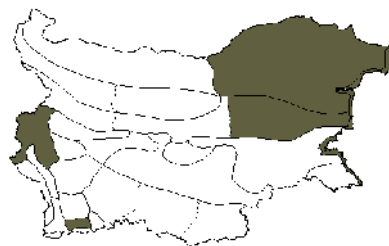


0

Pont-Med

### **Cerastium brachypetalum**

Pers.



500

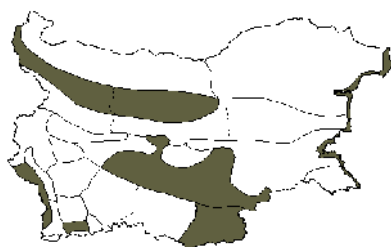


0

Eur-Med

### **Cerastium bulgaricum**

Uechtr.



1000



0

Bul

### **Cerastium glomeratum**

Thuill.



1000

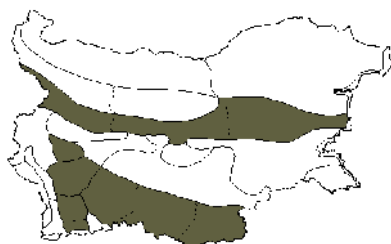


0

Kos

### **Cerastium cerastoides**

(L.) Britton



2900

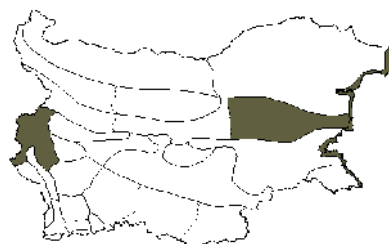


2000

Arct-Alp

### **Cerastium luridum**

Guss.



1000

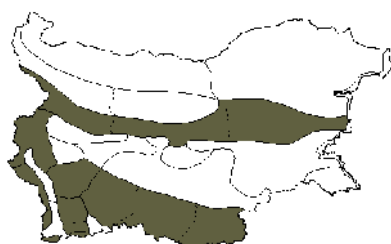


0

Eur-Med

### **Cerastium decalvans**

Schloss.



2500

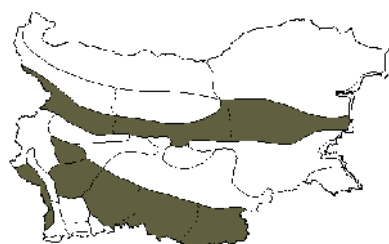


0

Bal

### **Cerastium moesiaticum**

Friv.



2000



0

Bal

### **Cerastium dubium**

(Bast.) Guépin



1000

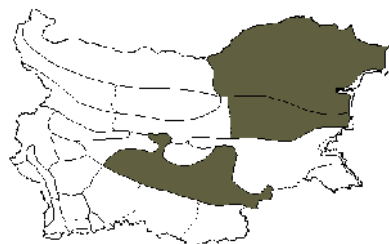


0

Eur

### **Cerastium perfoliatum**

L.



1000

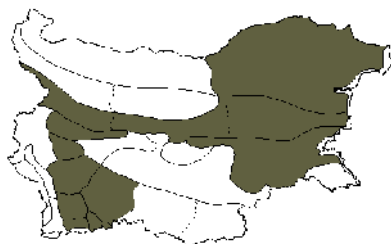


0

Pont-Med

### **Cerastium fontanum**

Baumg.



2400

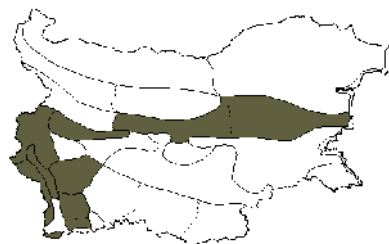


0

Eur

### **Cerastium petricola**

Pančić



1500



0

Bal

### **Cerastium pumilum**

Curtis



1400

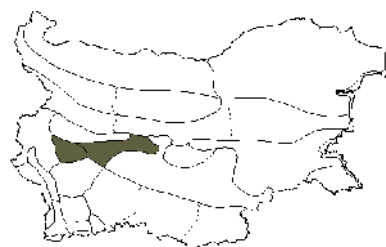


0

Eur-Med

### **Cerastium tenoreanum**

Ser.



800

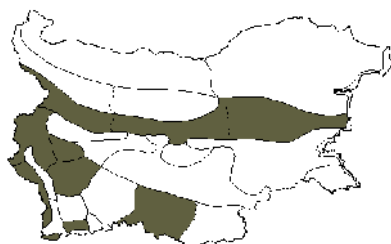


500

subMed

### **Cerastium rectum**

Friv.



1000

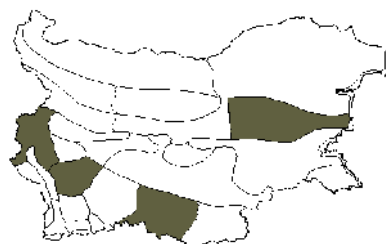


0

Bal

### **Cerastium velenovskyi**

Hayek



500

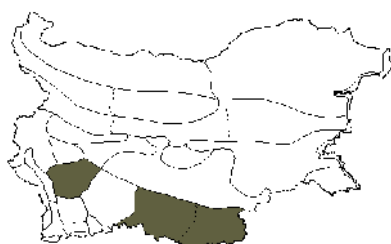


0

Bul

### **Cerastium roeseri**

Boiss. & Heldr.



2900

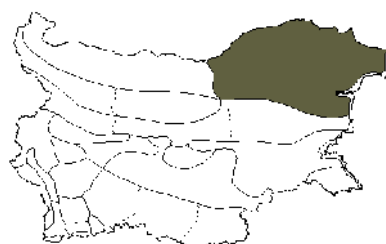


1000

Eur-Med

### **Ceratocarpus arenarius**

L.



300



0

Eur-As

### **Cerastium semidecandrum**

L.



1000

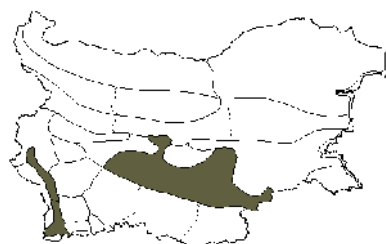


0

Eur-Med

### **Ceratocephalus falcatus**

(L.) Pers.



700

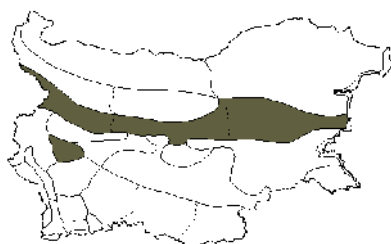


0

subMed-CAs

### **Cerastium tauricum**

Spreng.



2900

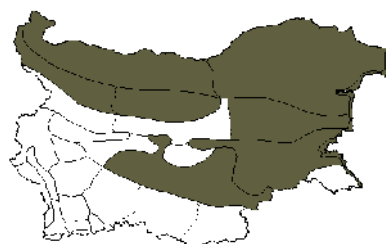


1000

Pont-Med

### **Ceratocephalus testiculatus**

(Crantz) Roth



700



0

Eur-As

**Ceratophyllum demersum**  
L.



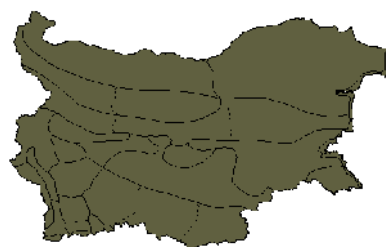
200



0

Kos

**Cerinth minor**  
L.



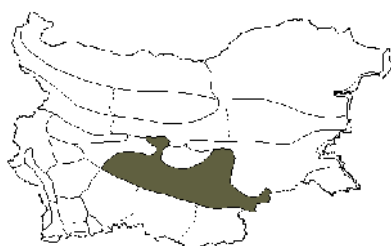
1200



0

Pont-Med

**Ceratophyllum muricatum**  
Cham.



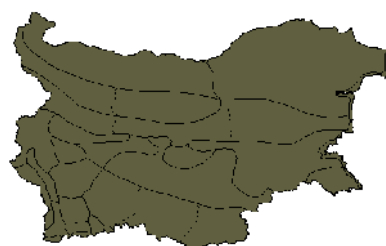
200



100

Med-CAs

**Ceterach officinarum**  
DC.



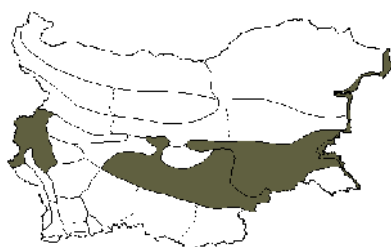
1500



0

subMed

**Ceratophyllum submersum**  
L.



200



0

Eur-As

**Chaenorhinum minus**  
(L.) Lange



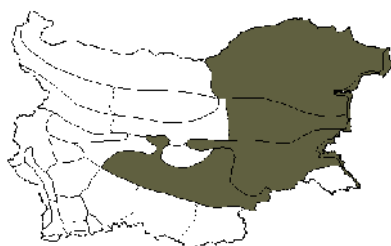
1000



0

Eur-Med

**Cercis siliquastrum**  
L.



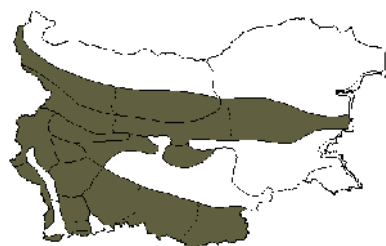
500



0

Med-OT

**Chaerophyllum aureum**  
L.



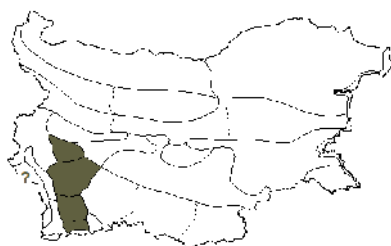
2100



800

Eur-Med

**Cerinth glabra**  
Mill.



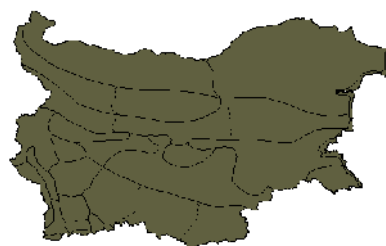
2500



1500

subMed

**Chaerophyllum bulbosum**  
L.



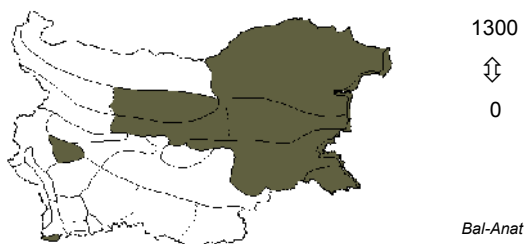
1300



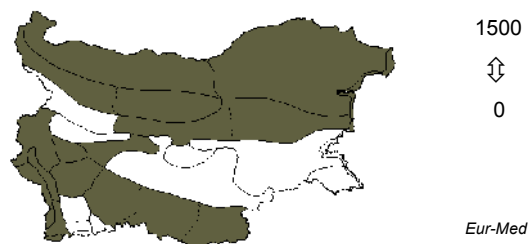
0

Eur-As

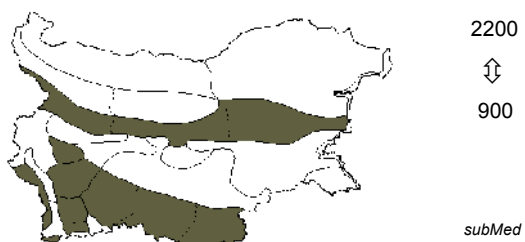
**Chaerophyllum byzantinum**  
Boiss.



**Chamaecytisus austriacus**  
(L.) Link



**Chaerophyllum hirsutum**  
L.



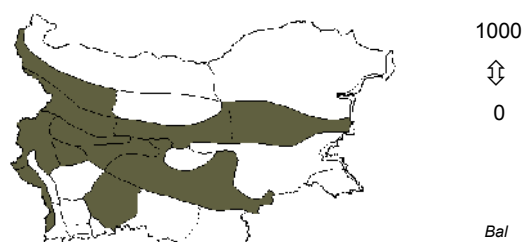
**Chamaecytisus banaticus**  
(Griseb. & Schenk) Rothm.



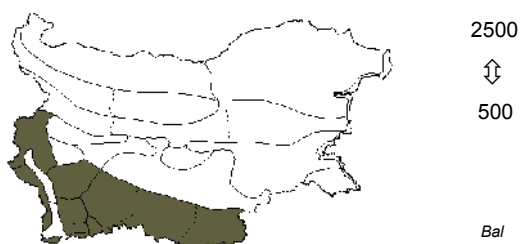
**Chaerophyllum temulentum**  
L.



**Chamaecytisus calcareus**  
(Velen.) Kuzmanov



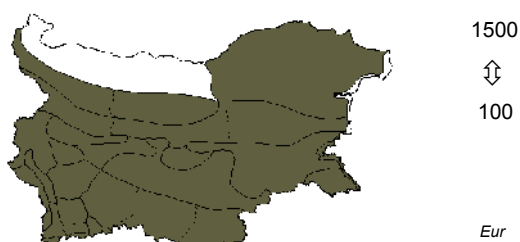
**Chamaecytisus absinthioides**  
(Janka) Kuzmanov



**Chamaecytisus ciliatus**  
(Wahlenb.) Rothm.



**Chamaecytisus albus**  
(Hack.) Rothm.



**Chamaecytisus danubialis**  
(Velen.) Rothm.



**Chamaecytisus frivaldszkyanus**  
(Degen) Kuzmanov



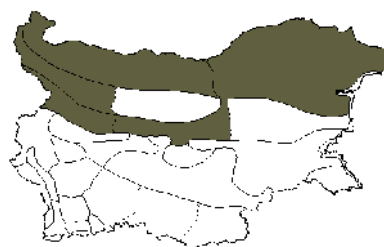
1200



0

Bul

**Chamaecytisus kovacevii**  
(Velen.) Rothm.



1500



0



Bul

**Chamaecytisus glaber**  
(L. f.) Rothm.



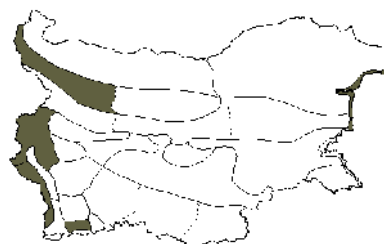
1500



0

Bal-Dac

**Chamaecytisus lejocarpus**  
(A. Kern.) Rothm.



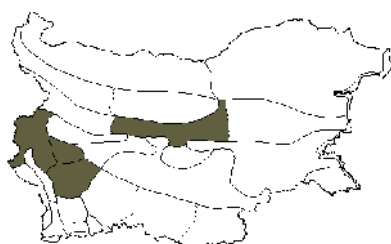
1600



200

Bal-Dac

**Chamaecytisus heuffelii**  
(Wierzb.) Rothm.



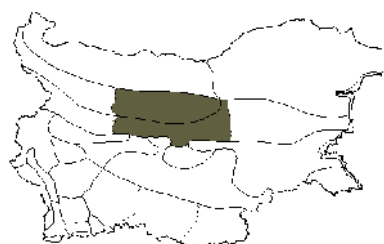
1500



500

Pann-Bal

**Chamaecytisus neiceffii**  
(Urum.) Rothm.



500



200



Bul

**Chamaecytisus hirsutus**  
(L.) Link



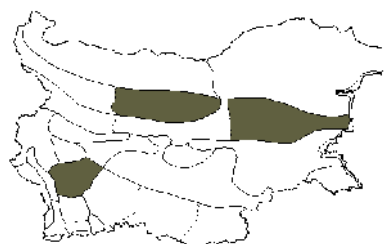
2000



0

Eur-Sib

**Chamaecytisus polytrichus**  
(M. Bieb.) Rothm.



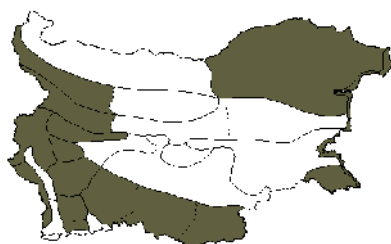
1000



500

Med

**Chamaecytisus jankae**  
(Velen.) Rothm.



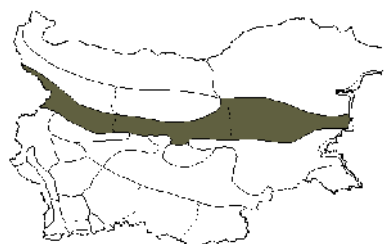
1500



0

Bal

**Chamaecytisus pygmaeus**  
(Willd.) Rothm.



2400



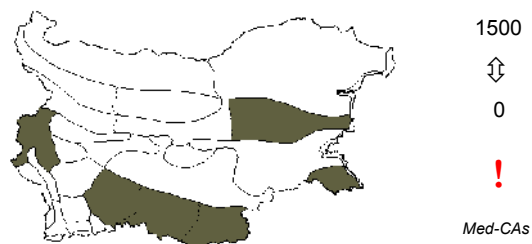
1300

Bal-Anat

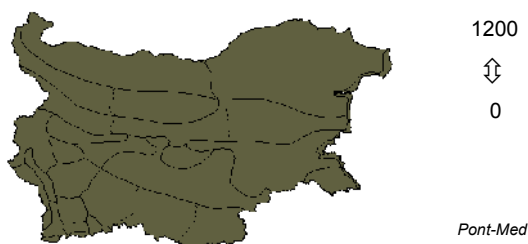
**Chamaecytisus ratisbonensis**  
(Schaeff.) Rothm.



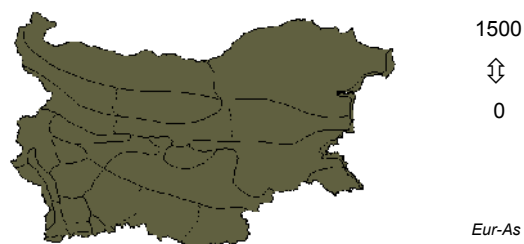
**Cheilanthes persica**  
(Bory) Mett. ex Kuhn



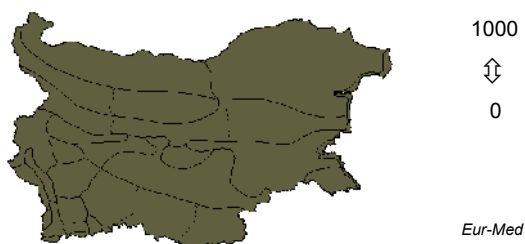
**Chamaecytisus rochelii**  
(Wierzb.) Rothm.



**Chelidonium majus**  
L.



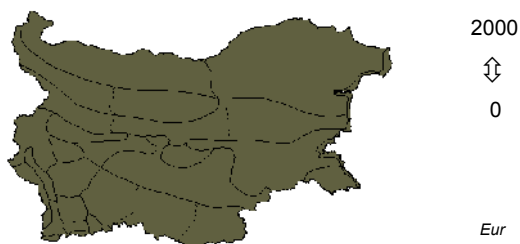
**Chamaecytisus supinus**  
(L.) Link



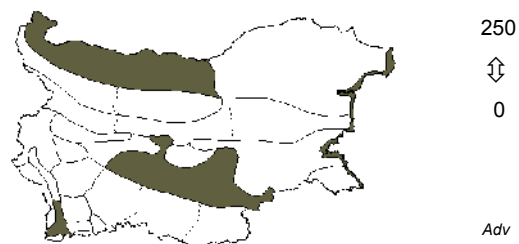
**Chenopodium album**  
L.



**Chamaespartium sagittale**  
(L.) Gibbs



**Chenopodium ambrosioides**  
L.



**Cheilanthes marantae**  
(L.) Domin.



**Chenopodium bonus-henricus**  
L.





### Chenopodium botrys L.



900  
⇕  
0

Boreal

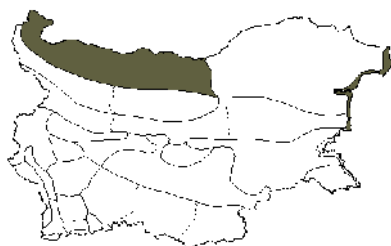
### Chenopodium hybridum L.



1000  
⇕  
0

Boreal

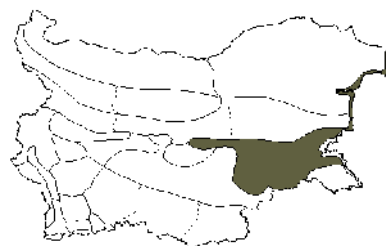
### Chenopodium chenopodioides (L.) Aellen.



100  
⇕  
0

subBoreal

### Chenopodium missouriense Aellen



1000  
⇕  
0

Adv (NAm)

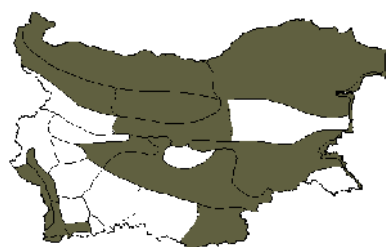
### Chenopodium ficifolium Sm.



1000  
⇕  
0

Eur-As

### Chenopodium multifidum L.



300  
⇕  
0

Adv

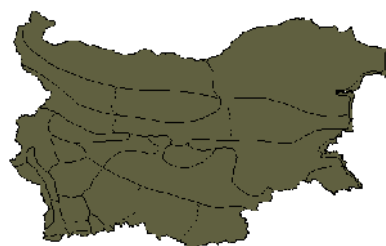
### Chenopodium foliosum Asch.



900  
⇕  
0

Eur

### Chenopodium murale L.



1000  
⇕  
0

Kos

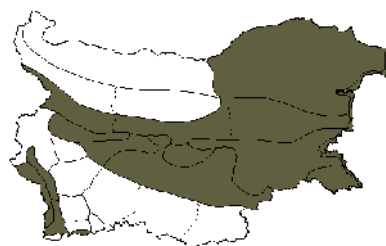
### Chenopodium glaucum L.



1000  
⇕  
0

Eur-As

### Chenopodium opulifolium Schrud. ex Koch & Ziz



800  
⇕  
0

Med-CAs

**Chenopodium polyspermum**  
L.



1000  
⇕  
0

Eur-Sib

**Chenopodium schraderianum**  
Schult.



1000  
⇕  
0

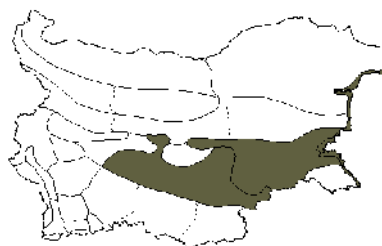
Adv

**Chenopodium pratericola**  
Rydb.



100  
⇕  
0

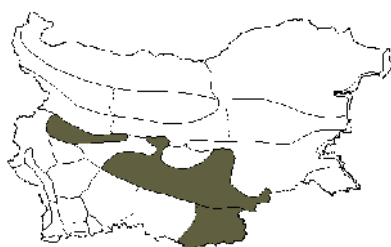
**Chenopodium striatiforme**  
Murr



500  
⇕  
0

Eur

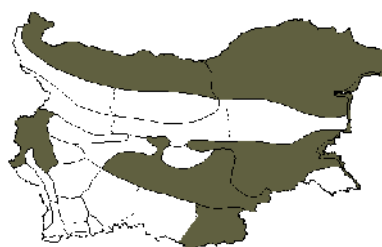
**Chenopodium probstii**  
Aellen



1000  
⇕  
0

Adv (NAm)

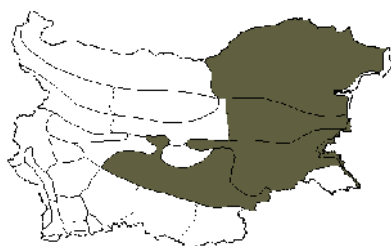
**Chenopodium strictum**  
Roth



1000  
⇕  
0

Eur-As

**Chenopodium pumilio**  
R. Br.



1000  
⇕  
0

Adv (Aus)

**Chenopodium urbicum**  
L.



1000  
⇕  
0

Eur-As

**Chenopodium rubrum**  
L.



1000  
⇕  
0

subBoreal

**Chenopodium vulvaria**  
L.



800  
⇕  
0

Eur-As

# **Chondrilla juncea** L.



1000  
⇕  
0

Eur-Sib

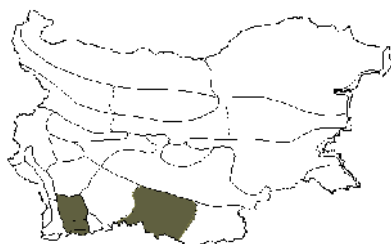
# **Chrysosplenium alternifolium** L.



1800  
⇕  
0

subBoreal

# **Chondrilla urumoffii** Degen

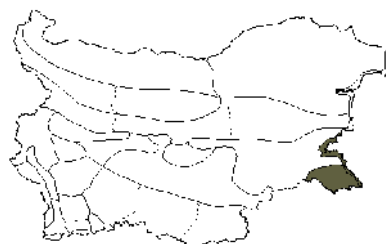


1800  
⇕  
800

!

Bal

# **Cicer montbretii** Jaub. & Spach

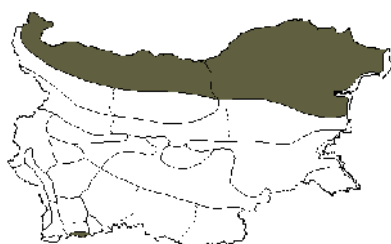


300  
⇕  
0

!

Bal-Anat

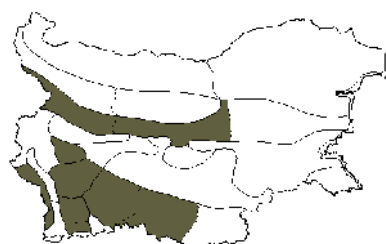
# **Chorispora tenella** (Pall.) DC.



150  
⇕  
0

Eur-As

# **Cicerbita alpina** Wallr.



2000  
⇕  
1500

Eur-Med

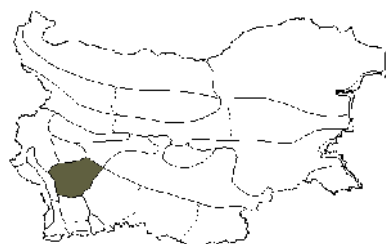
# **Chrozophora tinctoria** (L.) Juss.



300  
⇕  
0

Med

# **Cicerbita pancicii** (Vis.) P. Beauv.



2000  
⇕  
1500

!

Bal

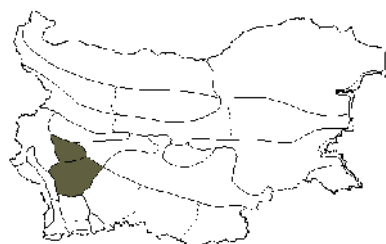
# **Chrysopogon gryllus** (L.) Trin.



1300  
⇕  
0

Pont-Med

# **Cicerbita plumieri** (L.) Kirschl.



2000  
⇕  
1000

!

Alp-Med

**Cichorium endivia**  
L.



200  
⇕  
0

Med

**Circaea luteciana**  
L.



2000  
⇕  
0

Boreal

**Cichorium inthybus**  
L.



1000  
⇕  
0

Eur-Sib

**Cirsium alatum**  
(S. G. Gmel.) Bobr.



0  
⇕  
0

Pont-Sib

**Cicuta virosa**  
L.

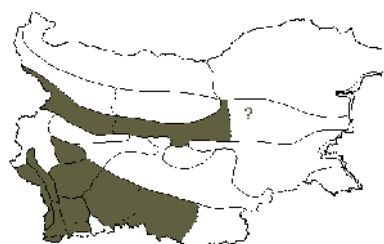


100  
⇕  
0

!

Eur-As

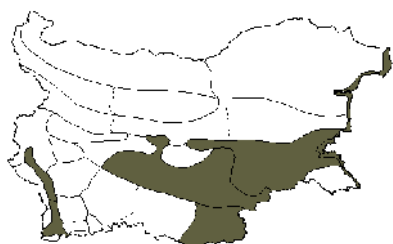
**Cirsium appendiculatum**  
Griseb.



2500  
⇕  
1000

Bal

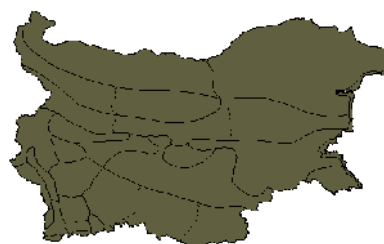
**Cionura erecta**  
(L.) Griseb.



300  
⇕  
0

Med

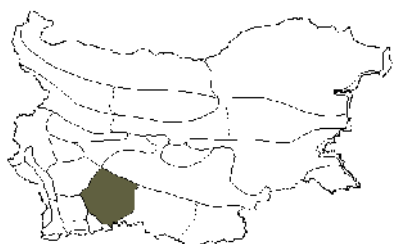
**Cirsium arvense**  
(L.) Scop.



2000  
⇕  
0

Eur-As

**Circaea alpina**  
L.

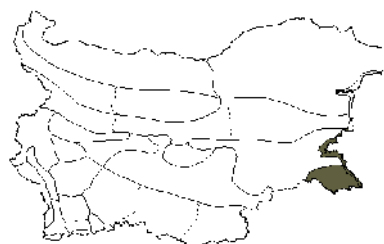


1450  
⇕  
1450

!

Boreal

**Cirsium bulgaricum**  
DC.



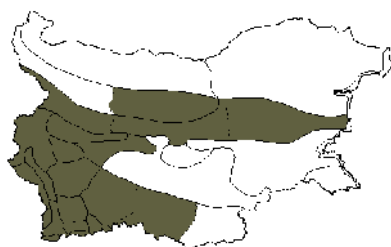
200  
⇕  
0

!

Bal-Anat

### **Cirsium candelabrum**

Griseb.



2000

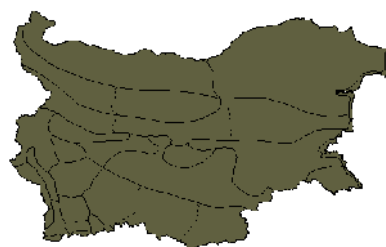


500

Carp-Bal

### **Cirsium ligulare**

Boiss.



1800



0

Med

### **Cirsium canum**

(L.) All.



1000

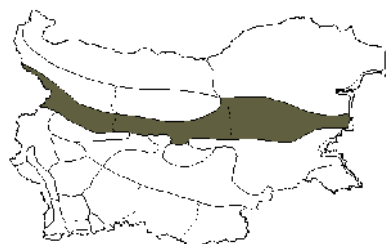


0

Eur-Med

### **Cirsium oleraceum**

(L.) Scop.



1500



600

Pont-Sib

### **Cirsium creticum**

(Lam.) D'Urv.



1000

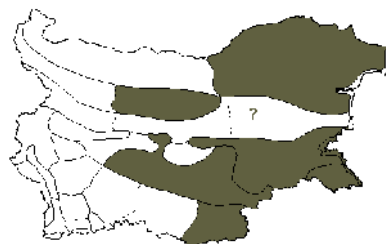


0

Med

### **Cirsium pannonicum**

(L. f.) Link



700

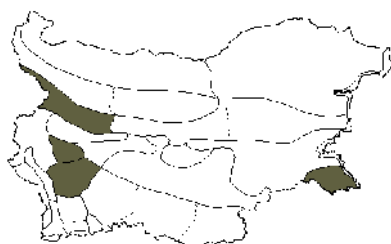


0

Eur-Med

### **Cirsium heterotrichum**

Pančić



2500

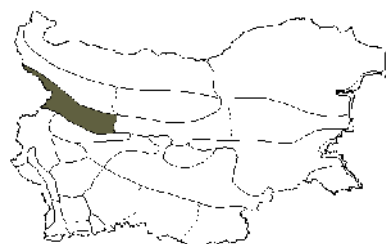


0

subBal

### **Cirsium rivulare**

(Jacq.) All.



1500

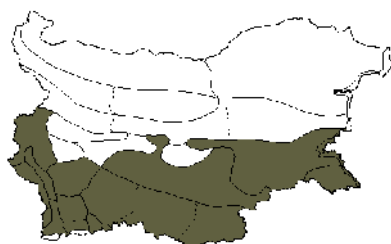


1000

CEur

### **Cirsium italicum**

(Savi) DC.



1000

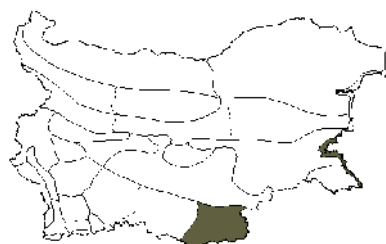


0

Med

### **Cirsium stojanovii**

Kuzmanov



500



0



Bul

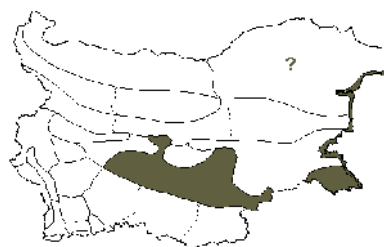
**Cirsium vulgare**  
(Savi) Ten.



1500  
⇅  
0

Eur-Med

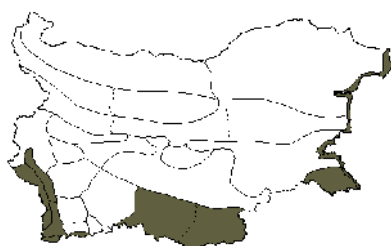
**Cleistogenes bulgarica**  
(Bornm.) Keng



100  
⇅  
0

Pont

**Cistus incanus**  
L.



700  
⇅  
0

Med

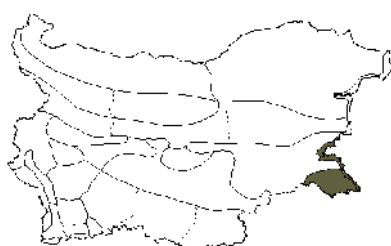
**Cleistogenes serotina**  
(L.) Keng



1000  
⇅  
0

Eur-subMed

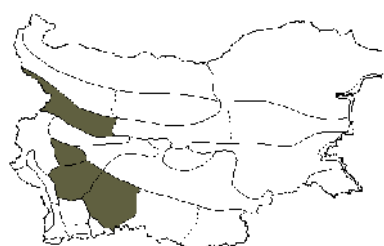
**Cistus salviifolius**  
L.



200  
⇅  
0

! Eur-As

**Clematis alpina**  
(L.) Mill.



2000  
⇅  
1000

! Eur

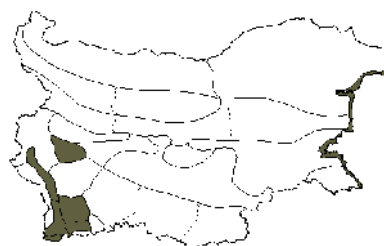
**Citrullus colocynthis**  
(L.) Schrad.



200  
⇅  
0

Adv

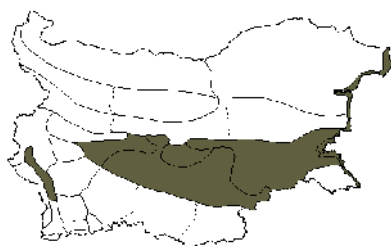
**Clematis flammula**  
L.



1000  
⇅  
0

Med

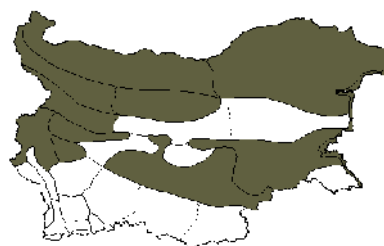
**Cladium mariscus**  
(L.) Pohl



400  
⇅  
0

Kos

**Clematis integrifolia**  
L.



1000  
⇅  
0

Eur-As

### Clematis recta

L.



2000

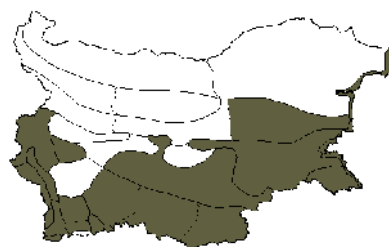


0

subMed

### Clypeola jonthlaspi

L.



700



0

Med

### Clematis vitalba

L.



2000

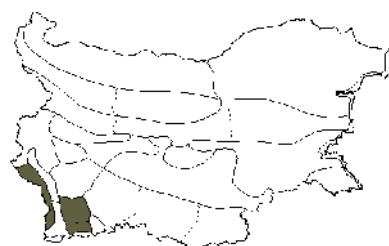


0

Eur

### Clypeola microcarpa

Moris



1000

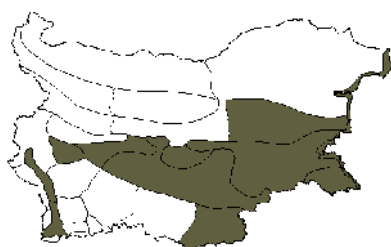


0

Med

### Clematis viticella

L.



1000

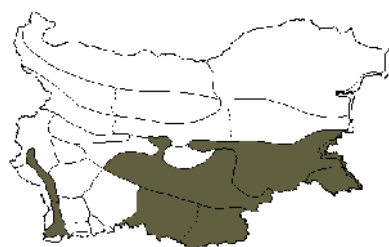


0

Pont-Med

### Cnicus benedictus

L.



1500

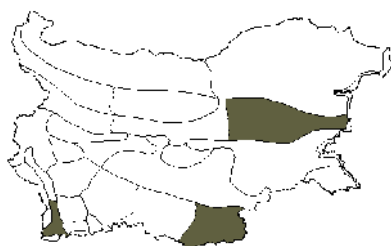


0

Med

### Cleome ornithopodioides

L.



800



0



Med-CAs

### Cnicus bulgaricus

Panov



1000



500

Bul

### Clinopodium vulgare

L.



2000



0

subBoreal

### Cnidium silaifolium

(Jacq.) Simonk.



1800

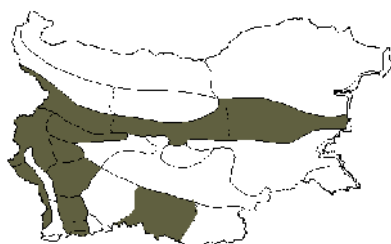


0

Med-Sib

### Coeloglossum viride

(L.) Hartm.



2400

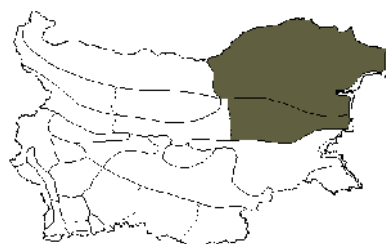


1000

Boreal

### Colchicum davidovii

Stef.



1000



0



Bul

### Colchicum autumnale

L.



2900

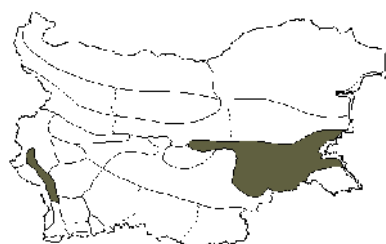


0

Eur

### Colchicum diampolis

Delip. & Cheskm.



600



0



Bul

### Colchicum biebersteinii

Rouy



1000

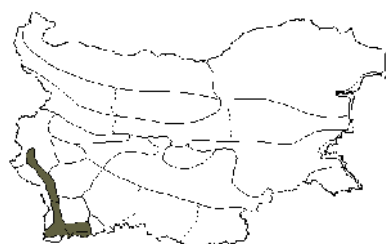


0

Med

### Colchicum doerfleri

Halácsy



1000



0

Bal

### Colchicum bivonae

Guss.



1000



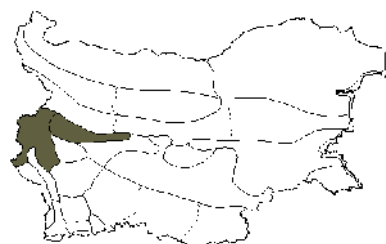
0



Med

### Colchicum haynaldii

Heuffel



1000



500

### Colchicum calycimbium

Stearn & Stef.



500

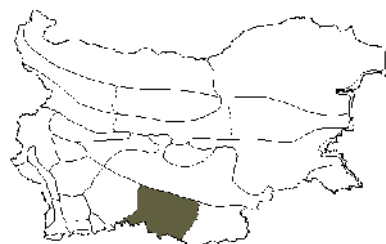


0

Bul

### Colchicum rhodopaeum

Kov.



1000



500

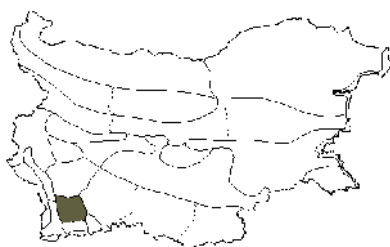


Bul



### Colchicum triphyllum

Kunze



### Conium maculatum

L.



1200



0

Eur-As

### Colchicum turcicum

Janka



1000

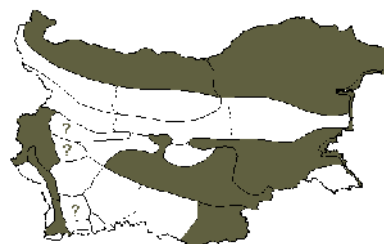


0

Bal-Anat

### Conringia austriaca

(Jacq.) Sweet



1000

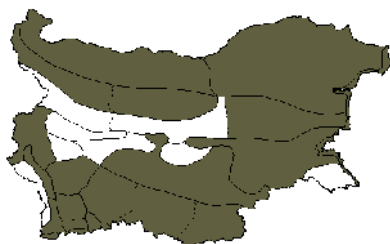


0

subMed

### Colutea arborescens

L.



1000

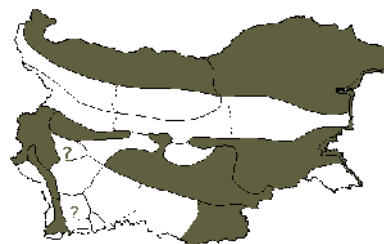


0

subMed

### Conringia orientalis

(L.) Dumort.



1000



0

Eur-As

### Comandra elegans

(Rochel ex Rchb.) Rchb. f.



1200



0

Bal-Dac-Anat

### Conringia planisiliqua

Fisch. & C. A. Mey.



200



0

OT (Adv?)

### Commelina communis

L.



500

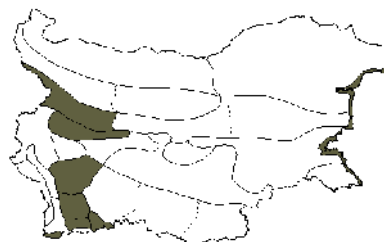


0

Adv

### Consolida ajacis

(L.) Schur



900



0

subMed

# **Consolida hellespontica**

(Boiss.) Chater



500



0

Med

# **Convolvulus arvensis**

L.



1500



0

Kos

# **Consolida hispanica**

(Costa) Greuter & Burdet



300



0

Med

# **Convolvulus betonicifolius**

Mill.



500



0

Pont-Med

# **Consolida regalis**

Gray



500

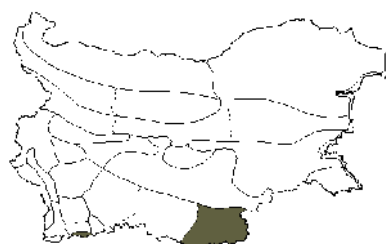


0

Eur-Med

# **Convolvulus boissieri**

Steud.



2000



0



Med

# **Convallaria majalis**

L.



1500



0

Boreal

# **Convolvulus cantabrica**

L.



1000



0

Pont

# **Convolvulus althaeoides**

L.



200



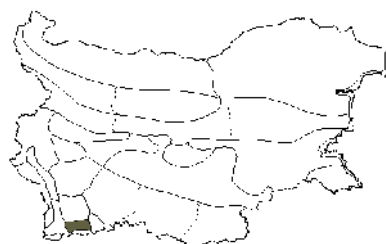
0



Med

# **Convolvulus holosericeus**

M. Bieb.



1000



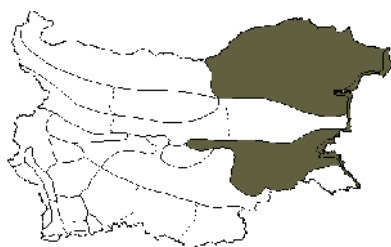
0



Pont-Med

### **Convolvulus lineatus**

L.



100



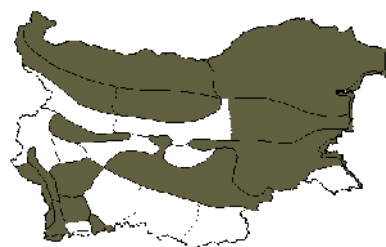
0



Eur-As

### **Conyza sumatrensis**

(Retz.) E. Walker



1000



0

Adv (SAm)

### **Convolvulus persicus**

L.



10



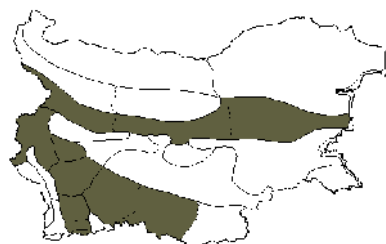
0



Pont-As

### **Corallorhiza trifida**

Châtel



1700



0

Boreal

### **Convolvulus pilosellifolius**

Desr.



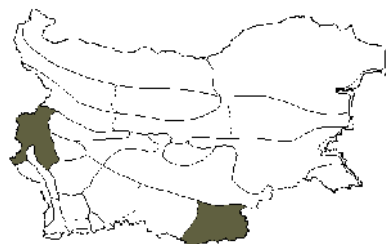
100



0

### **Coriandrum sativum**

L.



300

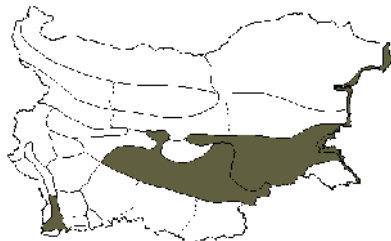


0

Pont-Med

### **Conyza bonnariensis**

(L.) Cronquist



300

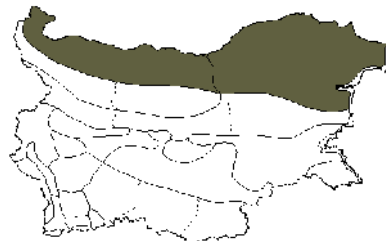


0

Adv (SAm)

### **Corispermum marschalii**

Steven



50



0

Pont-Sib

### **Conyza canadensis**

(L.) Cronquist



1000

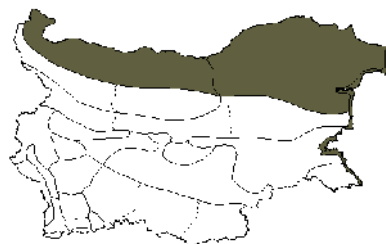


0

Adv (NAm)

### **Corispermum nitidum**

Kit.



100



0

Eur

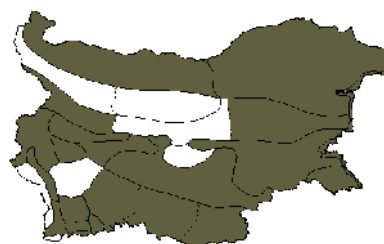
**Cornus mas**  
L.



1300  
⇕  
0

subMed

**Coronilla scorpioides**  
(L.) C. Koch



300  
⇕  
0

subMed

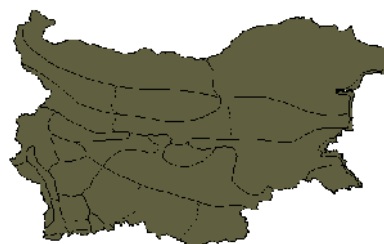
**Cornus sanguinea**  
L.



1800  
⇕  
0

subMed

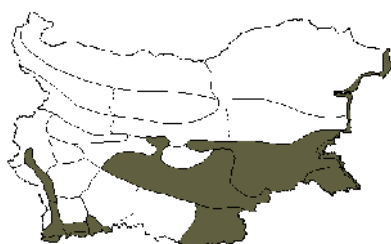
**Coronilla varia**  
L.



2000  
⇕  
0

Eur-Med

**Coronilla cretica**  
L.



500  
⇕  
0

Med

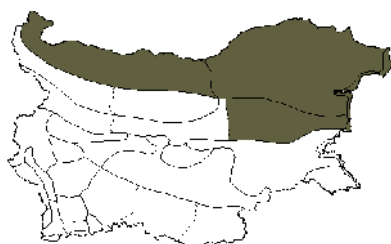
**Coronopus squamatus**  
(Forssk.) Asch.



1000  
⇕  
0

Eur-Med

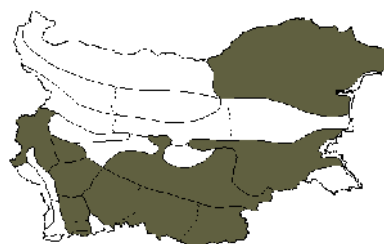
**Coronilla elegans**  
L.



300  
⇕  
0

Pont

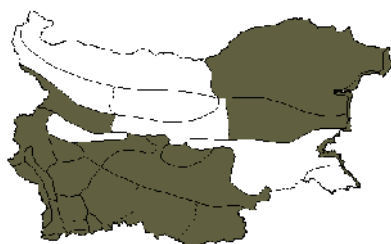
**Corothamnus agnipilus**  
(Velen.) Klásk.



1500  
⇕  
300

Bal

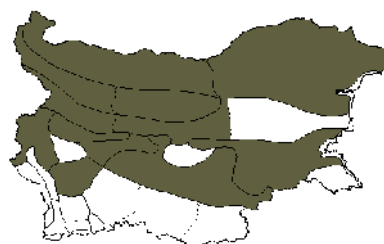
**Coronilla emerus**  
L.



900  
⇕  
0

subMed

**Corothamnus procumbens**  
(Waldst. & Kit.) C. Presl

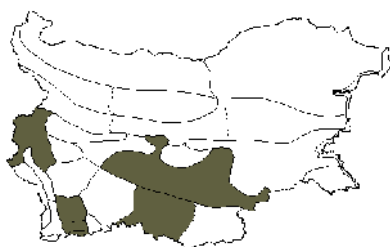


1000  
⇕  
0

Eur-Med

### Corothamnus rectipilosus

(Adamović) Skalická



2000



600

Bal

### Corydalis slivenensis

Velen.



1200

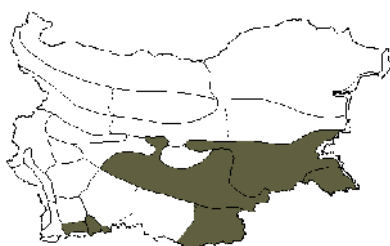


0

subMed

### Corrigiola litoralis

L.



1000

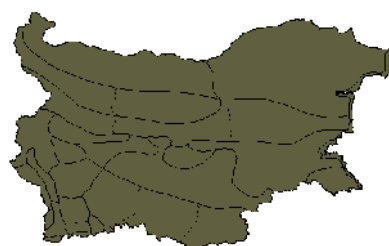


0

subMed

### Corydalis solida

(L.) Schwarz



2600

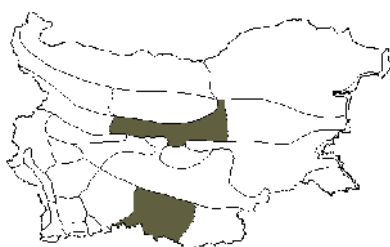


0

Eur-Med-CAs

### Cortusa mathioli

L.



2000



1300



Arct-Alp

### Corylus avellana

L.



1800



0

Med-CAs

### Corydalis bulbosa

(L.) DC.



2500



0

Eur-Med

### Corylus columna

L.



1200



0

Pont-CAs

### Corydalis marschalliana

(Pall.) Pers.



2000



0

subMed

### Corynephorus divaricatus

(Pourret) Breistr.



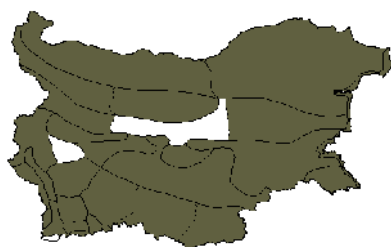
300



0

Pont-Med

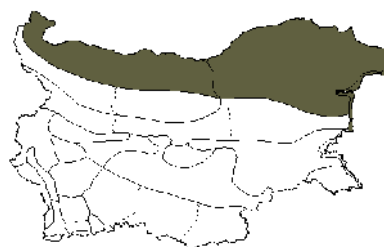
**Cotinus coggygia**  
Scop.



1000  
⇕  
0

Med-As

**Crambe tataria**  
Sebeók



300  
⇕  
0

!

Eur-Sib

**Cotoneaster integerrimus**  
Medicus



2600  
⇕  
300

Eur-Sib

**Crassula tillaea**  
Lest.-Garl.



500  
⇕  
0

!

subMed

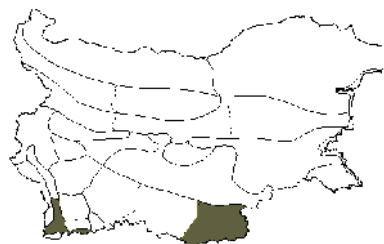
**Cotoneaster nebrodensis**  
(Guss.) C. Koch



2000  
⇕  
800

subMed

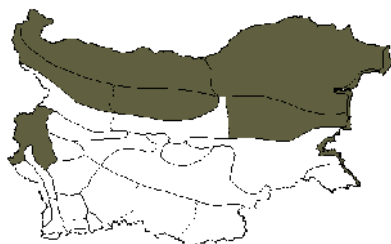
**Crataegus heldreichii**  
Boiss.



500  
⇕  
0

Bal

**Cotoneaster niger**  
(Thunb.) Fr.



700  
⇕  
50

Eur-As

**Crataegus microphylla**  
C. Koch

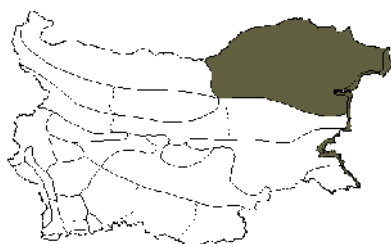


100  
⇕  
0

!

Eux

**Crambe maritima**  
L.



300  
⇕  
0

Eur

**Crataegus monogyna**  
Jacq.

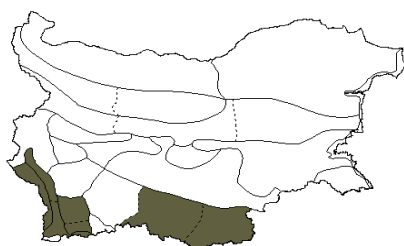


1500  
⇕  
0

subBoreal

### *Crataegus orientalis*

Pall. ex M. Bieb.



1000

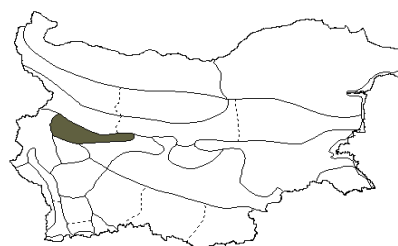


200

Med

### *Crepis capillaris*

(L.) Wallr.



600

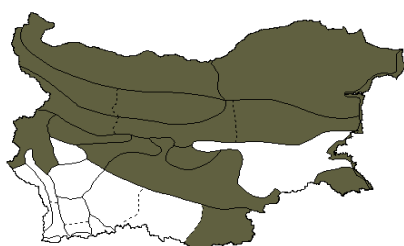


0

subMed

### *Crataegus pentagyna*

Waldst. & Kit.



400

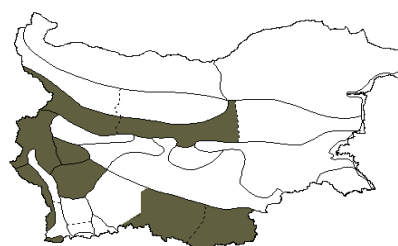


50

subMed

### *Crepis conyzifolia*

(Gouan) A. Kern.



2300

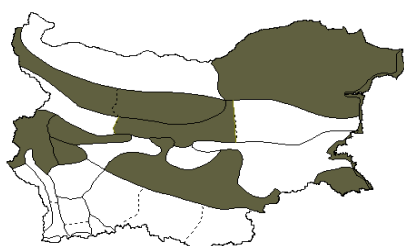


600

subMed

### *Crataegus rhipidophylla*

Gand.



1500

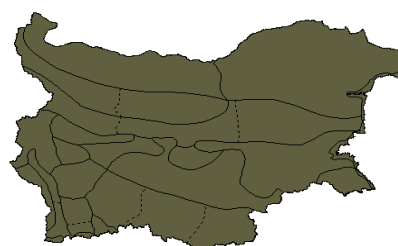


0

subBoreal

### *Crepis foetida*

L.



1000

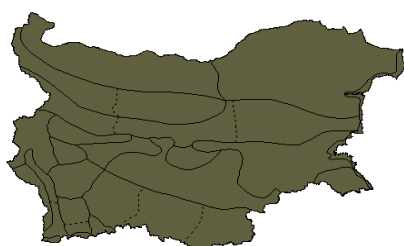


0

Eur-Med

### *Crepis biennis*

L.



1600

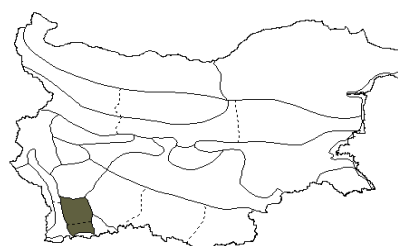


0

subMed

### *Crepis mollis*

(Jacq.) Asch.



2800

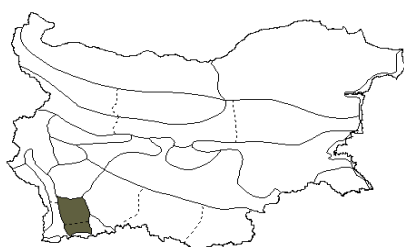


2500

Eur

### *Crepis bithynica*

Boiss.



2500



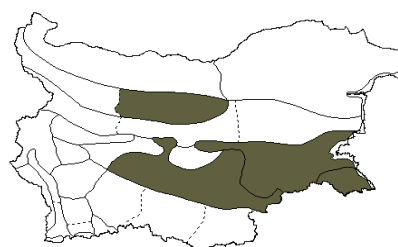
1800



Bal-Anat

### *Crepis nicaeensis*

Balb.



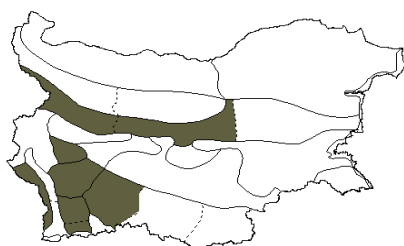
800



0

subMed

**Crepis paludosa**  
(L.) Moench



2800



2000

Eur-Sib

**Crepis sancta**  
(L.) Babc.



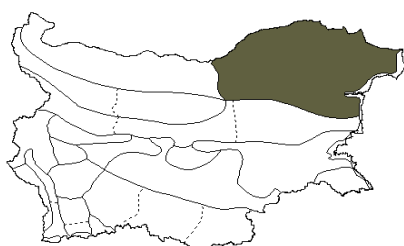
1000



0

subMed

**Crepis pannonica**  
(Jacq.) C. Koch



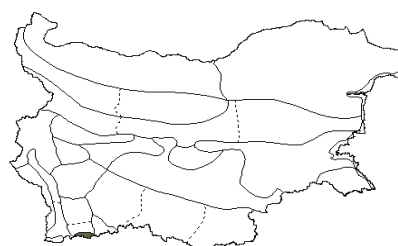
500



0

Pont-OT

**Crepis schachtii**  
Babcock



2200

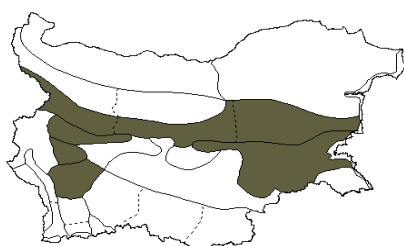


1300



Bul

**Crepis praemorsa**  
(L.) Tausch



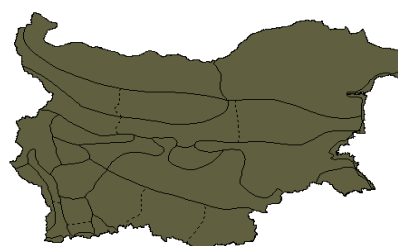
2000



0

Pont-Sib

**Crepis setosa**  
Haller f.



1000



0

Eur-Med

**Crepis pulchra**  
L.



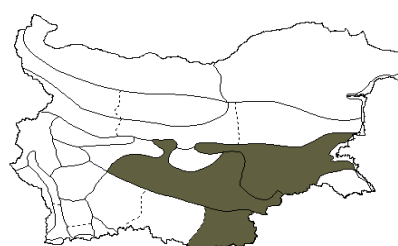
1000



0

Eur-Med

**Crepis stojanovii**  
T. Georg.



1000

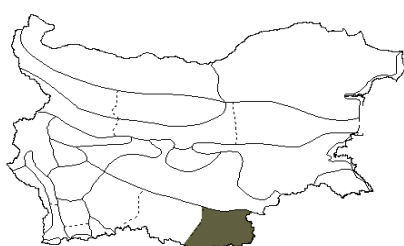


0



Bul

**Crepis rubra**  
L.



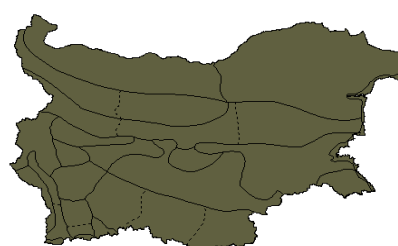
400



0

EMed

**Crepis tectorum**  
L.



1000



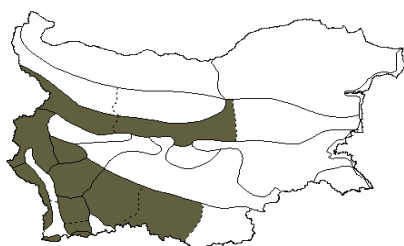
0

Eur-Sib



### **Crepis viscidula**

Froel



1800

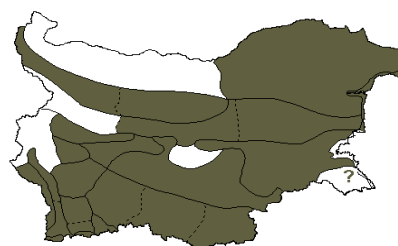


1300

Carp-Bal

### **Crocus chrysanthus**

(Herbert) Herbert



1800

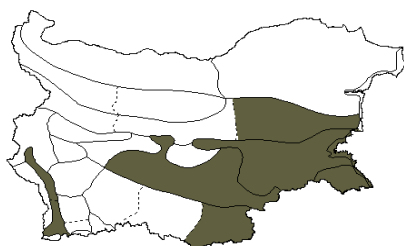


0

Bal-Anat

### **Crepis zacintha**

(L.) Babcock



1000

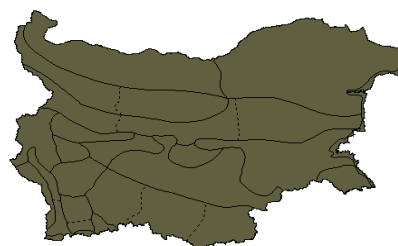


0

Med

### **Crocus flavus**

Weston



1500

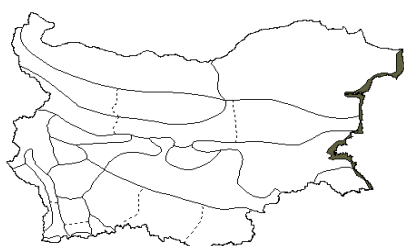


0

Eur-Pont

### **Cressa cretica**

L.



0



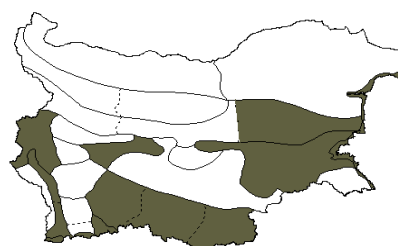
0



Med-CAs

### **Crocus olivieri**

J. Gay



1000



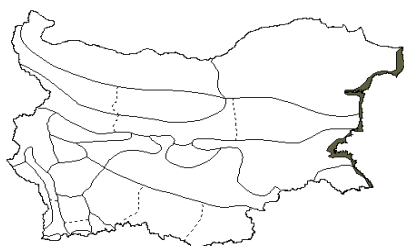
0



Bal-Anat

### **Crithmum maritimum**

L.



100

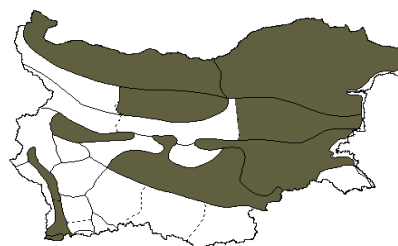


0

subMed

### **Crocus pallasii**

Goldb.



1000



0

Pont-Med

### **Crocus biflorus**

Mill.



1800

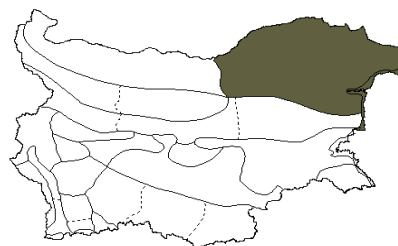


0

Med

### **Crocus pallidus**

Kitanov & Drenkovsky



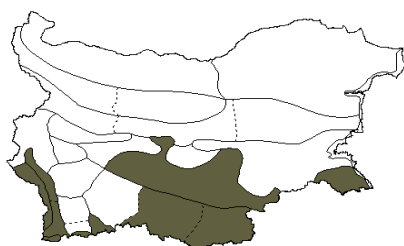
200



0

Bal

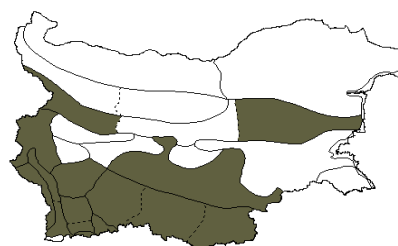
### **Crocus pulchellus** Herbert



1500  
⇕  
0

Bal-Anat

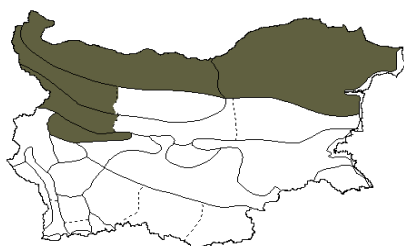
### **Crucianella graeca** Boiss.



1000  
⇕  
200

Bal

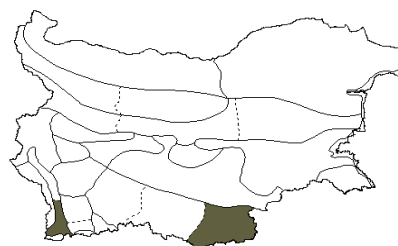
### **Crocus reticulatus** Steven ex Adams



1000  
⇕  
0

Pont-Med

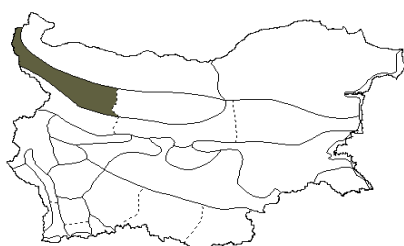
### **Crucianella latifolia** L.



300  
⇕  
200

Med

### **Crocus tommasinianus** Herbert

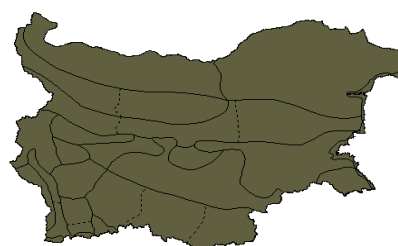


700  
⇕  
600

!

Pann-Bal

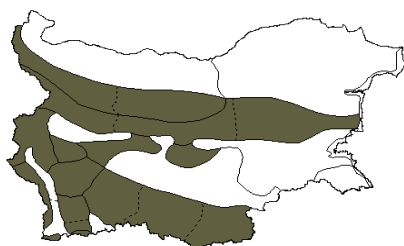
### **Cruciata glabra** (L.) Ehrend.



2500  
⇕  
0

subMed-CAs

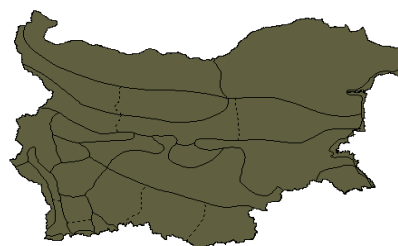
### **Crocus veluchensis** Herbert



2500  
⇕  
1500

Bal

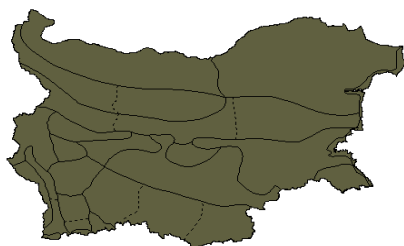
### **Cruciata laevipes** Opiz



1900  
⇕  
100

subMed-CAs

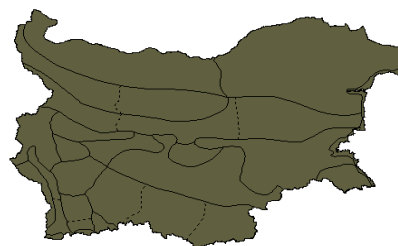
### **Crucianella angustifolia** L.



1300  
⇕  
0

Med

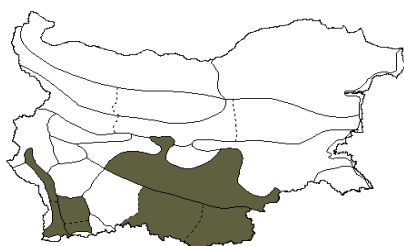
### **Cruciata pedemontana** (Bellardi) Ehrend.



1700  
⇕  
0

Med-CAs

**Crupina crupinastrum**  
(Moris) Vis.



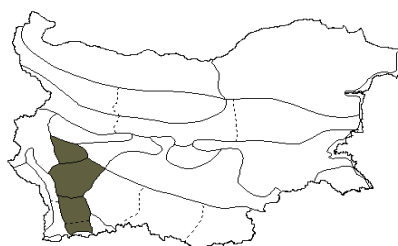
800



0

Med

**Cryptogramma crisa**  
(L.) R. Br.



2500



2000



Eur-Sib

**Crupina vulgaris**  
Cass.



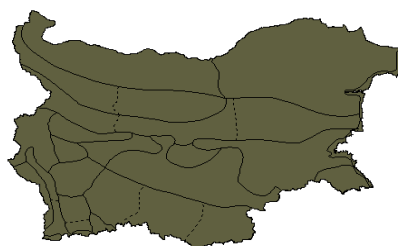
1500



0

subMed

**Cucubalus baccifer**  
L.



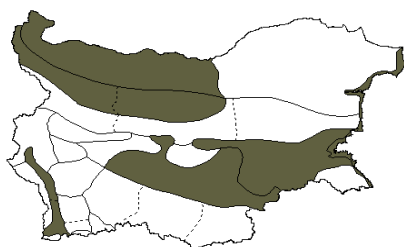
1300



0

Eur-As

**Crypsis aculeata**  
(L.) Aiton



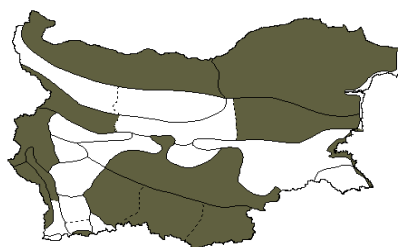
200



0

Eur-As

**Cuscuta approximata**  
Bab.



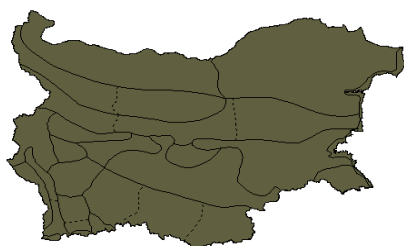
1500



200

Med-NAm

**Crypsis alopecuroides**  
(Piller & Mitterp.) Schrad.



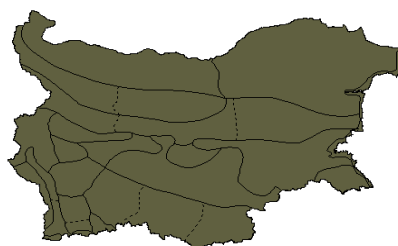
1200



0

Eur-As

**Cuscuta campestris**  
Yunck.



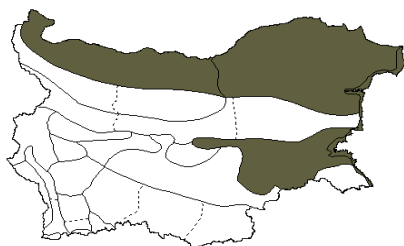
1800



0

Adv (NAm)

**Crypsis schoenoides**  
(L.) Lam.



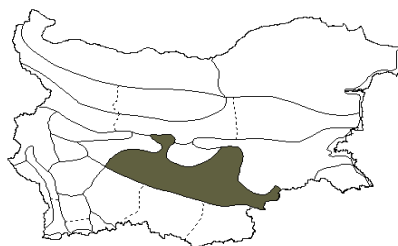
200



0

Boreal

**Cuscuta cesatiana**  
Bertol.



300

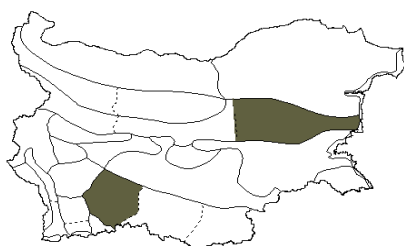


0

Kos

### *Cuscuta epilinum*

Weihe



800

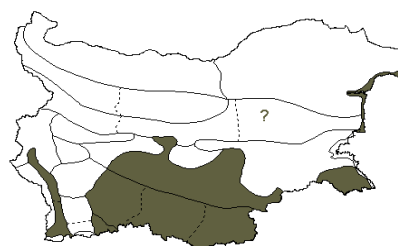


800

Eur-As

### *Cuscuta planiflora*

Ten.



1500

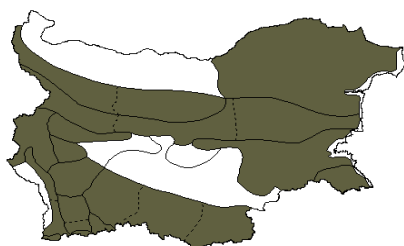


200

Med

### *Cuscuta epithymum*

(L.) L.



1800

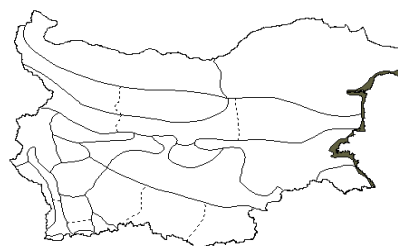


0

Eur

### *Cuscuta trifolii*

Bab.



0



0

subMed

### *Cuscuta europaea*

L.



2600

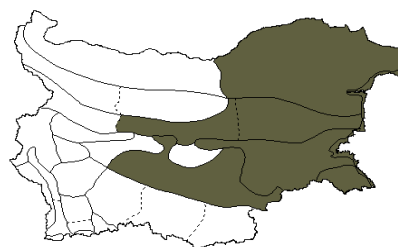


0

subBoreal

### *Cyclamen coum*

Mill.



500



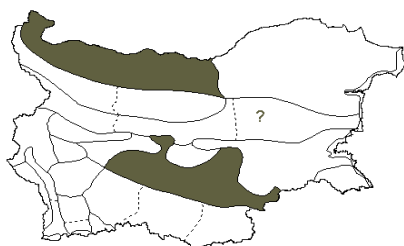
0



Pont-Med

### *Cuscuta lupuliformis*

Krock.



300

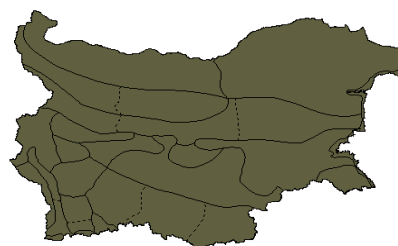


0

Eur-As

### *Cyclamen hederifolium*

Aiton



600



0

subMed

### *Cuscuta monogyna*

Vahl



1500

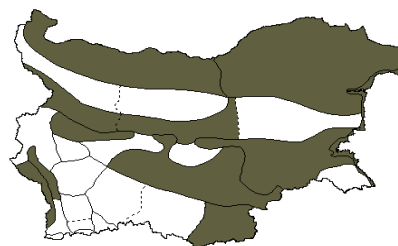


0

Eur-As

### *Cymbalaria muralis*

Gaertn., B.Mayer & Schreb



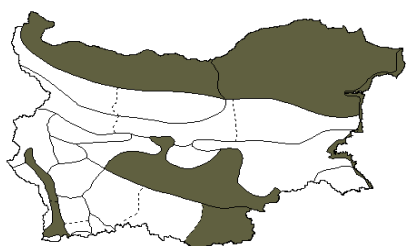
1000



0

Med

### *Cynanchum acutum* L.



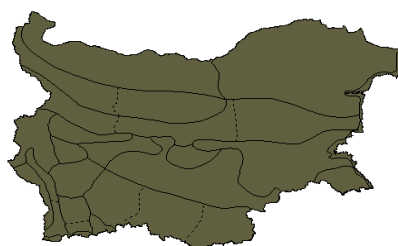
300



0

Med-CAs

### *Cynoglossum officinale* L.



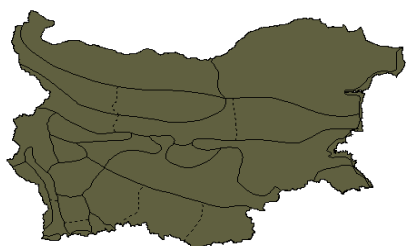
1500



0

SPont

### *Cynodon dactylon* (L.) Pers.



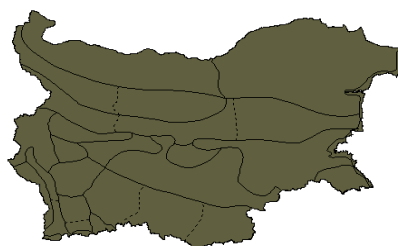
800



0

Kos

### *Cynosurus cristatus* L.



1000



0

Eur

### *Cynoglossum creticum* Mill.



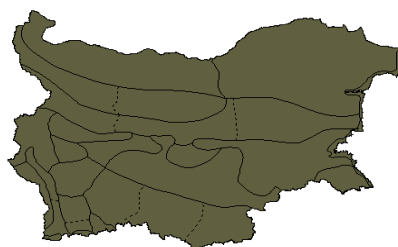
1000



0

Med-CAs

### *Cynosurus echinatus* L.



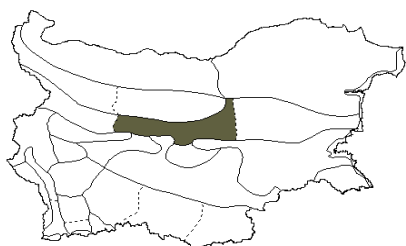
1200



0

subMed

### *Cynoglossum germanicum* Jacq.



2900

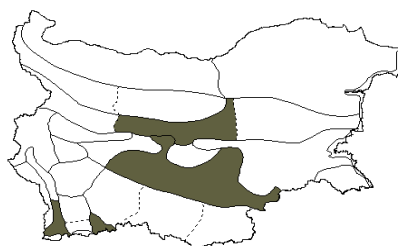


1000



Eur-Med

### *Cyperus difformis* L.



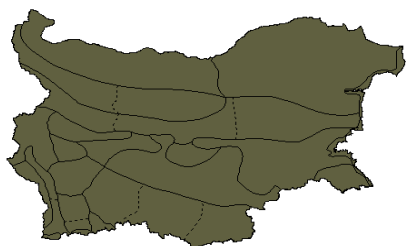
500



100

Kos

### *Cynoglossum montanum* L.



2000



0

subMed

### *Cyperus fuscus* L.



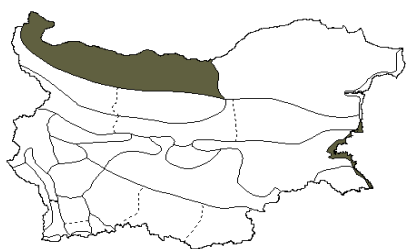
1000



0

Boreal

### *Cyperus strigosus* L.



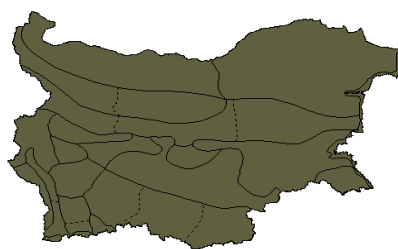
200



0

Adv (NAM)

### *Dactylis glomerata* L.



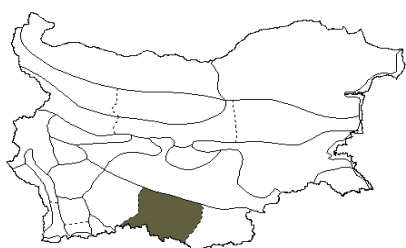
1500



0

Eur-As

### *Cypripedium calceolus* L.



1500

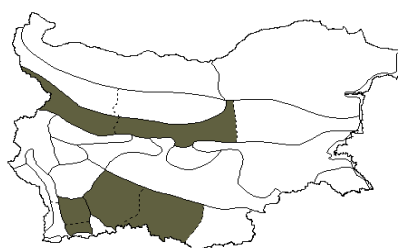


800



Eur-As

### *Dactylorhiza baumanniana* Hölz. & Künkele



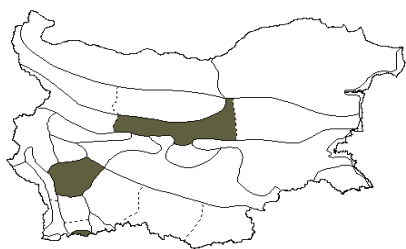
2000



500

Bal

### *Cystopteris alpina* (Lam.) Desv.



2500

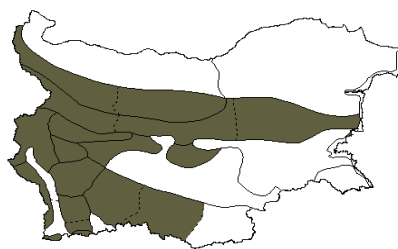


1200



Kos

### *Dactylorhiza cordigera* (Fries) Sóo



2400



700

Carp-Bal

### *Cystopteris fragilis* (L.) Bernh.



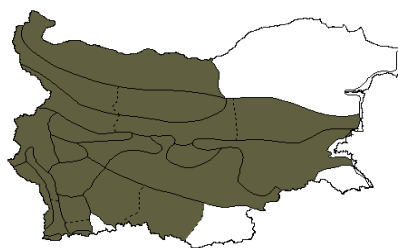
2300



0

Kos

### *Dactylorhiza incarnata* (L.) Sóo



1500

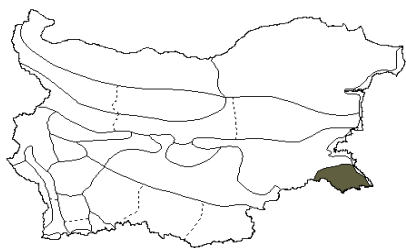


0



Arct-Alp

### *Cytinus clusii* (Nyman) Gand.



300

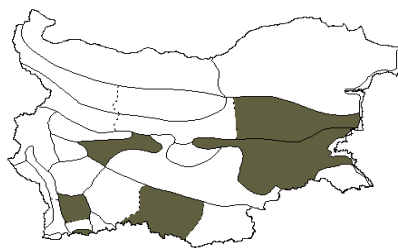


0



Med

### *Dactylorhiza kalopissii* E. Nelson



1000



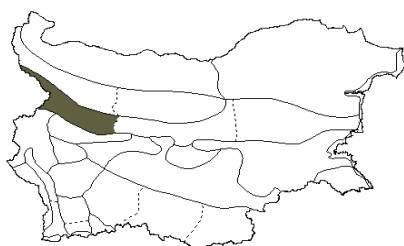
0



Bal

### *Dactylorhiza maculata*

(L.) Soó



1500

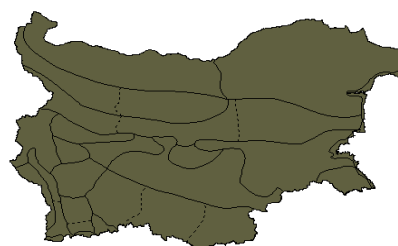


500

Eur

### *Danthonia alpina*

Vest



1500

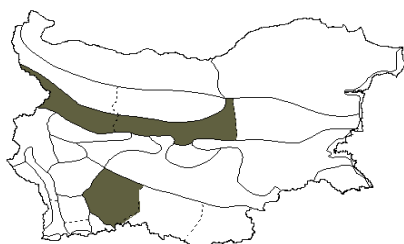


0

Eur

### *Dactylorhiza pindica*

B. & E. Willing



1500

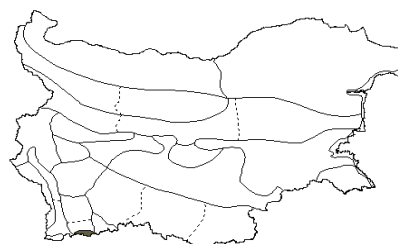


500

Bal

### *Danthoniastrum compactum*

(Boiss. & Heldr.) Holub



300

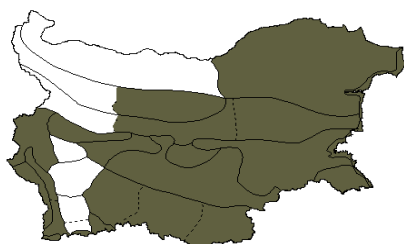


0

Bal-Anat

### *Dactylorhiza romana*

(Sebast. & Mauri) Sóo



500

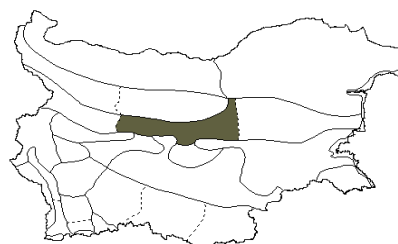


0

Med-CAs

### *Daphne blagayana*

Freyer



1900



1500



Carp-Bal

### *Dactylorhiza saccifera*

(Brongn.) Sóo



2200

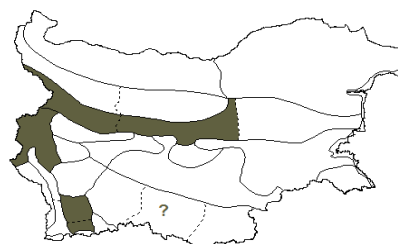


0

Eur-Sib

### *Daphne cneorum*

L.



2700

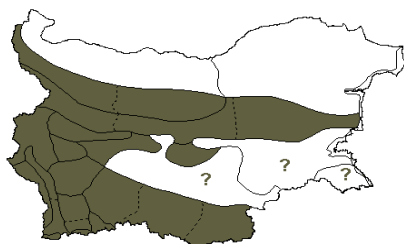


900

subMed

### *Dactylorhiza sambucina*

(L.) Sóo



2200

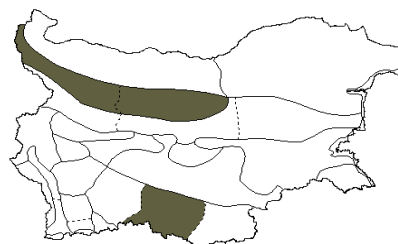


500

Eur

### *Daphne laureola*

L.



1900

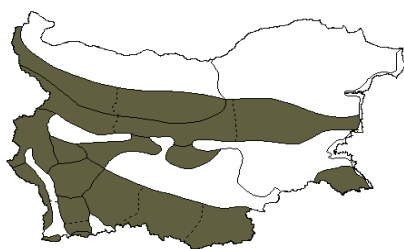


1000



subMed

### *Daphne mezereum* L.



2000



600

*Eur-Sib*

### *Datura stramonium* L.



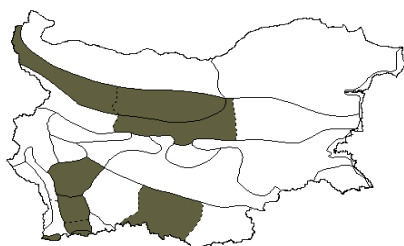
800



0

*Adv (Am)*

### *Daphne oleoides* Schreb.



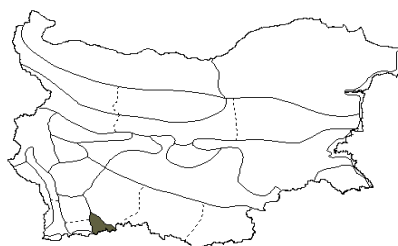
2500



1000

*subMed*

### *Daucus broteri* Ten.



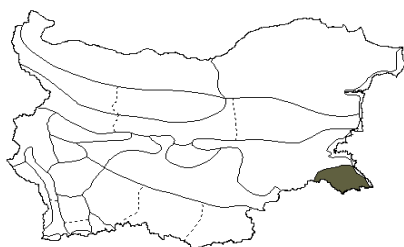
300



0

*Med*

### *Daphne pontica* L.



700

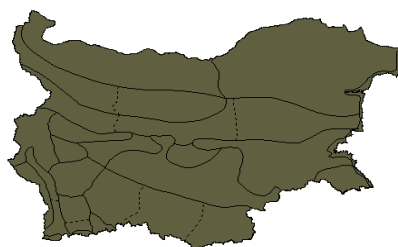


50



*Pont*

### *Daucus carota* L.



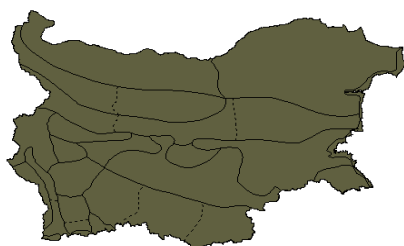
800



0

*Eur-As*

### *Dasypyrum villosum* (L.) Cand.



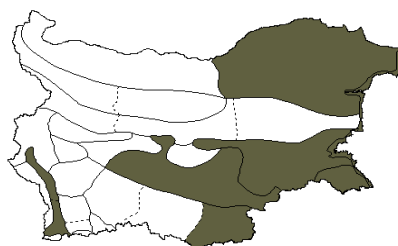
1000



0

*subMed*

### *Daucus guttatus* Sm.



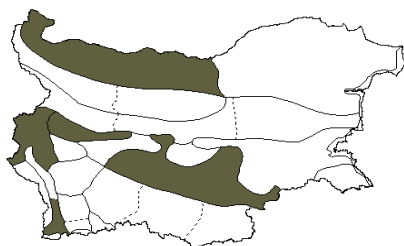
300



0

*subMed*

### *Datura innoxia* Mill.



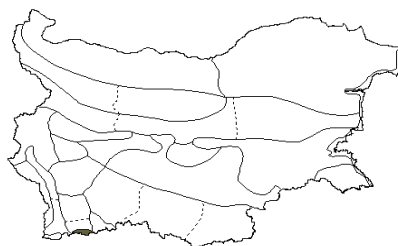
500



0

*Adv (Am)*

### *Delphinium albiflorum* DC.



1600



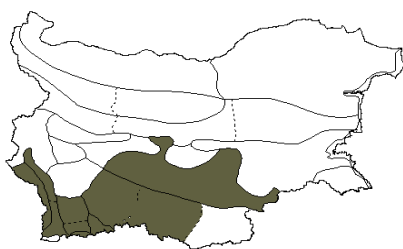
1200

*Bal*



### Delphinium balcanicum

Pawl.



500

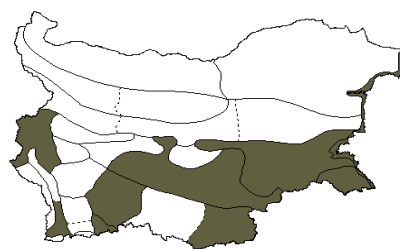


0

Bal

### Desmazeria rigida

(L.) Tutin



500

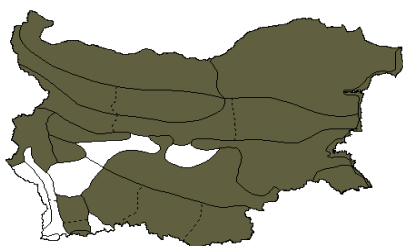


0

subMed

### Delphinium fissum

Waldst. & Kit.



2000



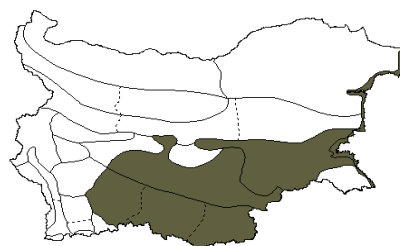
300



subMed

### Dianthus aridus

Griseb. ex Janka



1000

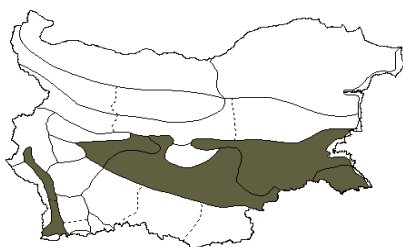


0

Pont-Sib

### Delphinium peregrinum

L.



500

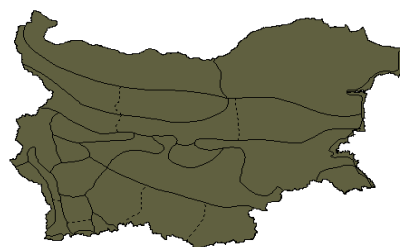


0

Med

### Dianthus armeria

L.



1800

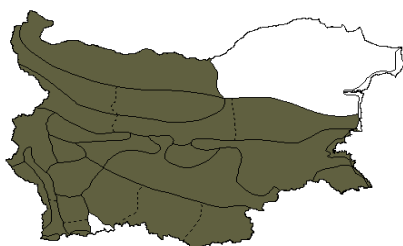


0

Eur

### Deschampsia caespitosa

(L.) P. Beauv.



2900

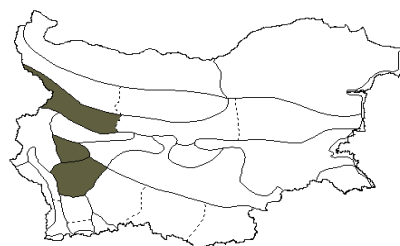


500

Boreal

### Dianthus barbatus

L.



2000



700

Eur-Med

### Descurainia sophia

(L.) Webb ex Prantl



1650

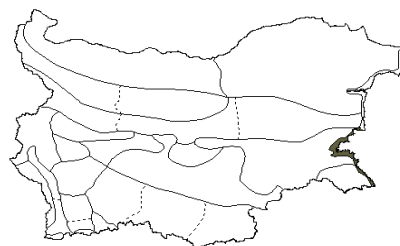


0

Eur-As

### Dianthus burgasensis

Tutin



50

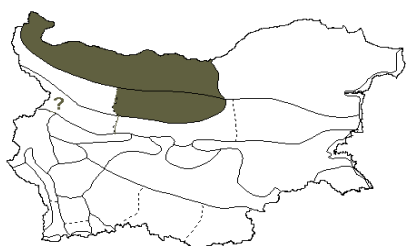


0

Bul

### **Dianthus capitatus**

Balb. ex DC.



1000

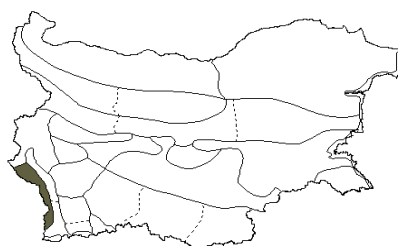


0

Pont

### **Dianthus diffusus**

Sm.



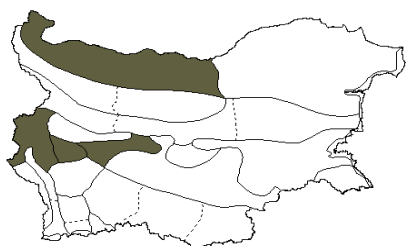
200



0

### **Dianthus cartusianorum**

L.



200



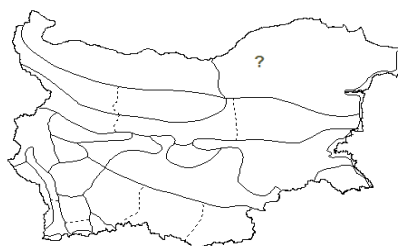
0



Eur

### **Dianthus dobrogensis**

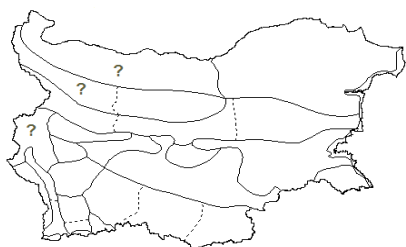
Prodan



Pont

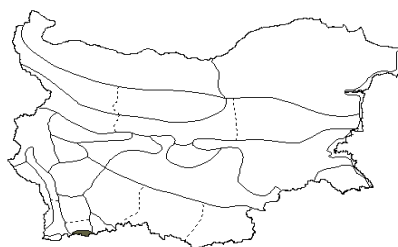
### **Dianthus collinus**

Waldst. & Kit.



### **Dianthus drenowskyanus**

Rech. f.



2000



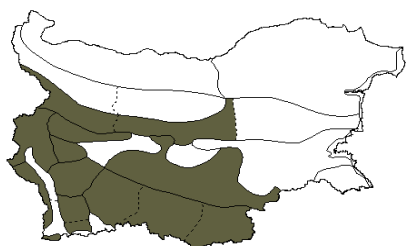
1000



Bal

### **Dianthus cruentus**

Griseb.



2600



0

Bal-Aeg

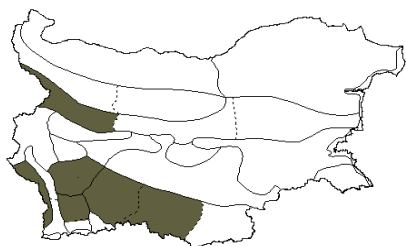
### **Dianthus freynii**

Vand.



### **Dianthus deltoides**

L.



2000

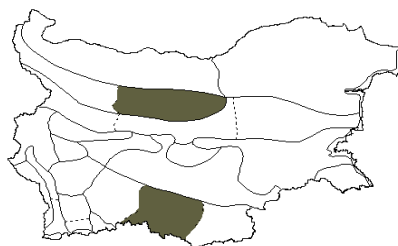


0

Eur-Sib

### **Dianthus giganteiformis**

Borbás



1500

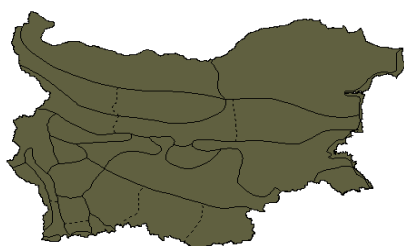


500

Pann-Bal

# **Dianthus giganteus**

D'Urv.



2000



0

subMed

# **Dianthus moesiacus**

Vis. & Pančić



1500

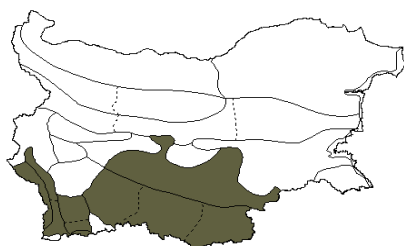


0

Bal

# **Dianthus gracilis**

Sm.



2200

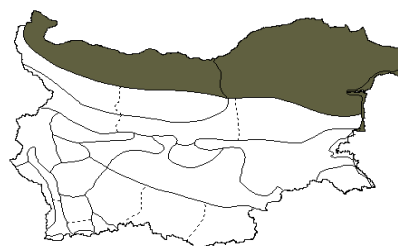


500

Bal

# **Dianthus nardiformis**

Janka



400



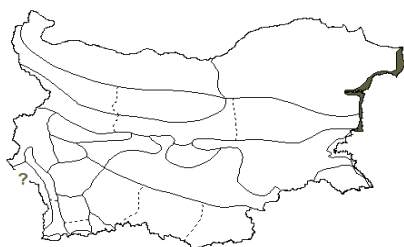
0



Pont

# **Dianthus leptopetalus**

Willd.



100

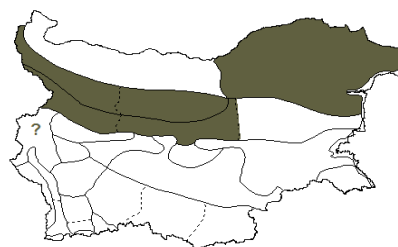


0

Pont-Bal

# **Dianthus noeanus**

Boiss.



2000

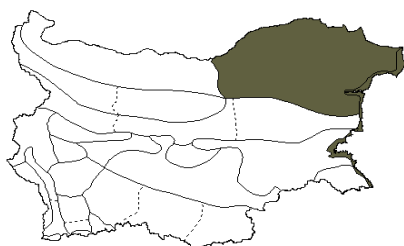


700

Bal

# **Dianthus membranaceus**

Borbás



500

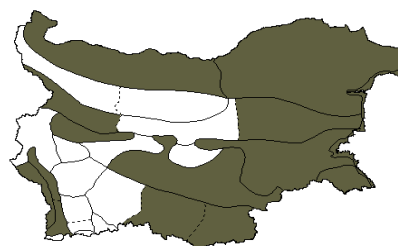


0

Pont

# **Dianthus pallens**

Sm.



0

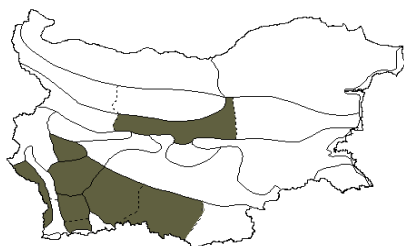


0

Bal-Dac

# **Dianthus microlepis**

Boiss.



2700

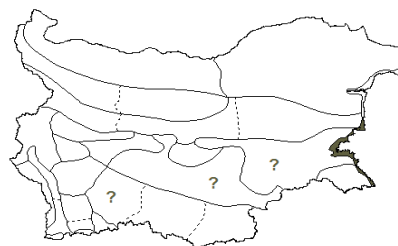


1400

Bal

# **Dianthus pallidiflorus**

Ser.



0



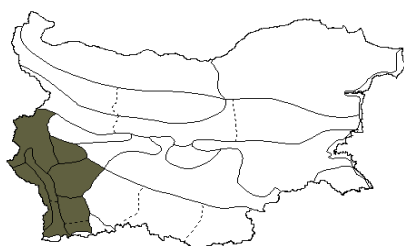
0



Pont-Sib

### **Dianthus pelviformis**

Heuff.



1400



1000

Bal

### **Dianthus puberulus**

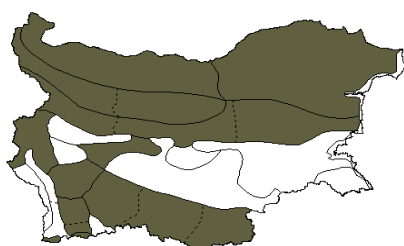
(Sm.) A. Kern.



Eur

### **Dianthus petraeus**

Waldst. & Kit.



2000

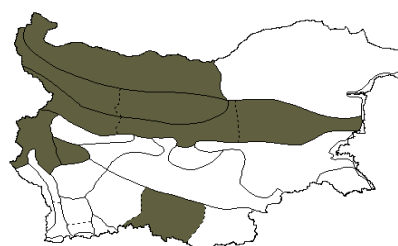


0

Bal-Dac

### **Dianthus quadrangulus**

Velen.



1500

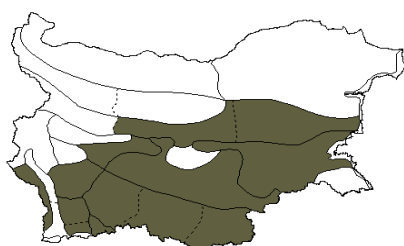


0

Bal

### **Dianthus pinifolius**

Sm.



1500

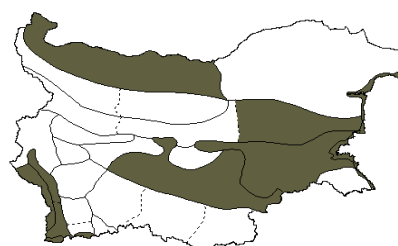


0

Bal-Dac

### **Dianthus roseo-luteus**

Velen.



1000

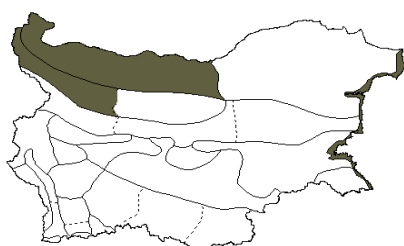


0

Pont-Sib

### **Dianthus pontederiae**

A. Kern.



400

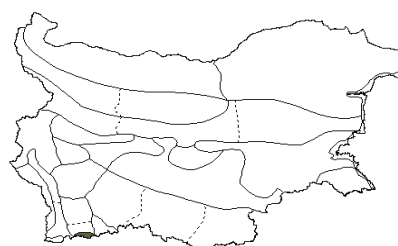


0

subMed

### **Dianthus simulans**

Stoj. & Stef.



2000

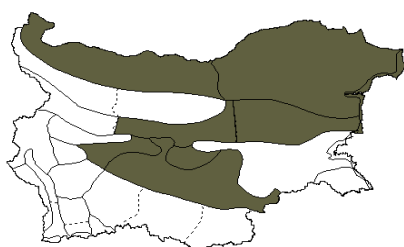


1000

Bal

### **Dianthus pseudarmeria**

M. Bieb.



1000

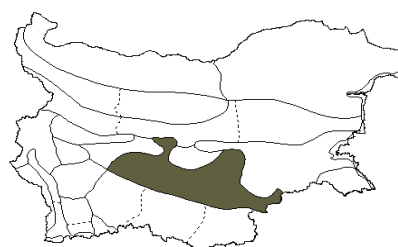


0

Med

### **Dianthus stenopetalus**

Griseb.



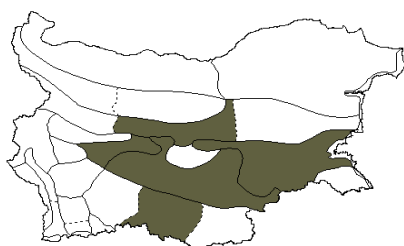
1500



0

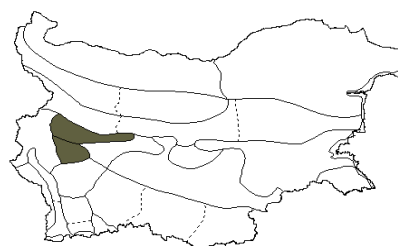
Bal

**Dianthus strybrnyi**  
Velen.



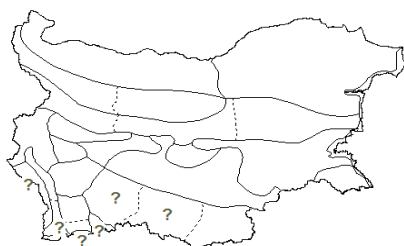
1500  
⇕  
0  
!  
Bal

**Dianthus urumoffii**  
Stoj. & Acht.



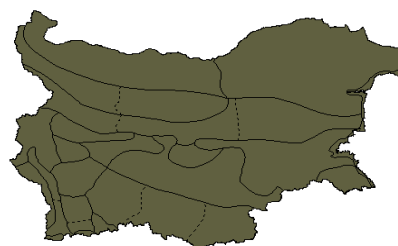
700  
⇕  
200  
!  
Bul

**Dianthus strymonis**  
Rech. f.



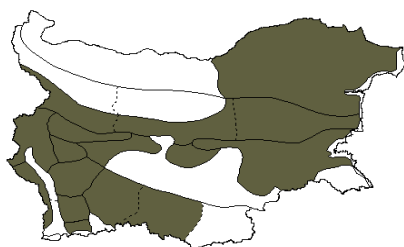
⇕

**Dichanthium ischaemum**  
(L.) Roberty



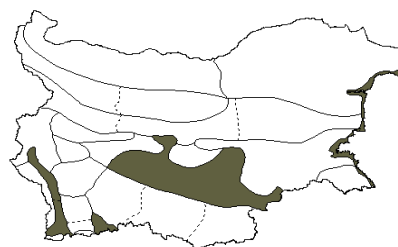
1000  
⇕  
0  
subMed-As

**Dianthus superbus**  
L.



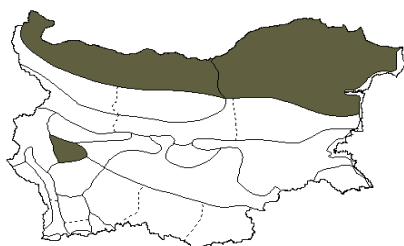
1800  
⇕  
800  
Eur-As

**Dichostylis hamulosa**  
(M. Bieb.) Nees



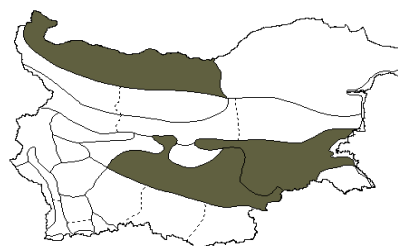
500  
⇕  
0  
Pont-Sib

**Dianthus trifasciculatus**  
Kit.



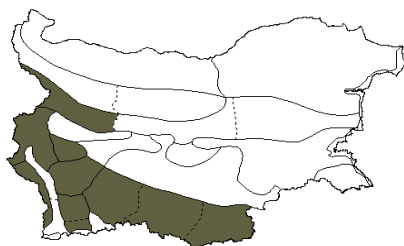
1000  
⇕  
0  
Pont-Med

**Dichostylis michelianus**  
(L.) Nees



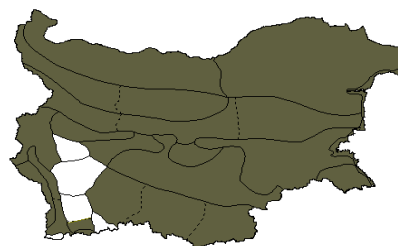
200  
⇕  
0  
Eur-As

**Dianthus tristis**  
Velen.



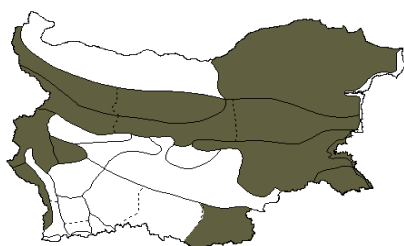
2600  
⇕  
1000  
Bal

**Dictamnus albus**  
L.



1200  
⇕  
0  
Eur-As

**Digitalis ferruginea**  
L.



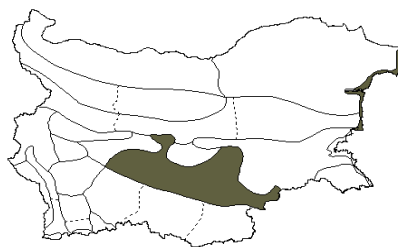
2000



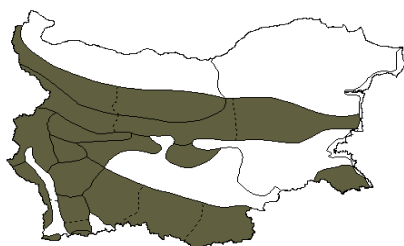
400

subMed

**Digitaria ciliaris**  
(Retz.) Koeler.



**Digitalis grandiflora**  
Mill.



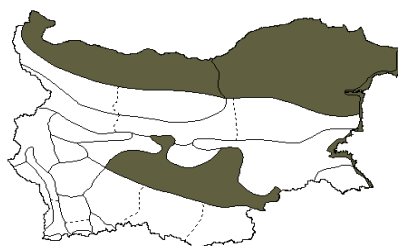
1800



500

Eur-Sib

**Digitaria ischaemum**  
(Schreb.) Muhl.



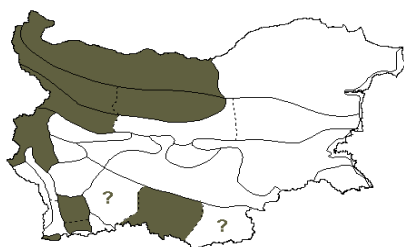
300



0

Eur-As

**Digitalis laevigata**  
Waldst. & Kit.



1500

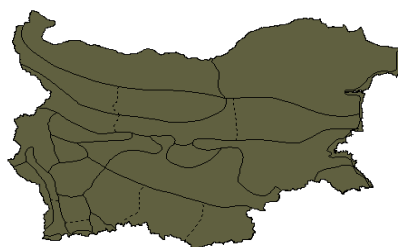


400



Bal-As

**Digitaria sanguinalis**  
(L.) Scop.



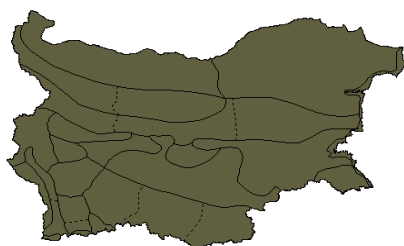
1000



0

Kos

**Digitalis lanata**  
Ehrh.



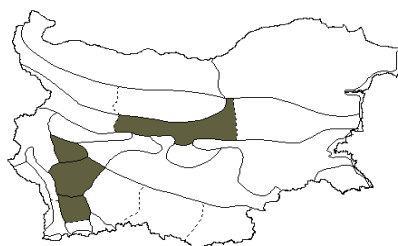
1500



0

subMed

**Diphasiastrum alpinum**  
(L.) Holub



2100

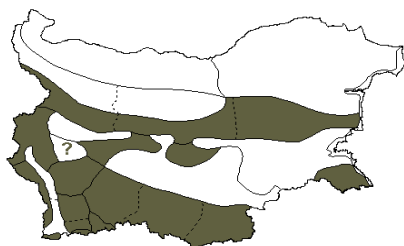


1700



Boreal

**Digitalis viridiflora**  
Lindl.



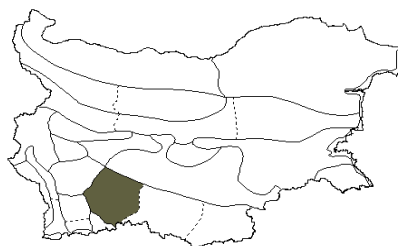
2000



500

Bal

**Diphasiastrum complanatum**  
(L.) Holub



1400

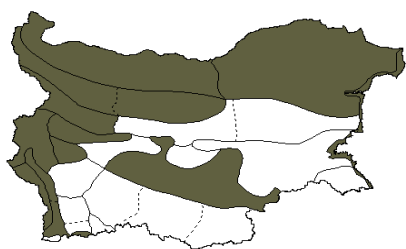


1400



Boreal

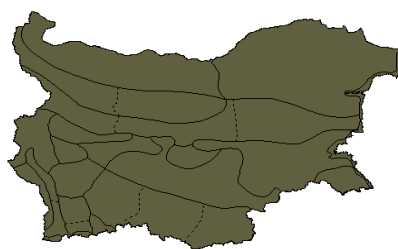
**Diplotaxis muralis**  
(L.) DC.



900  
⇕  
0

Eur-Med

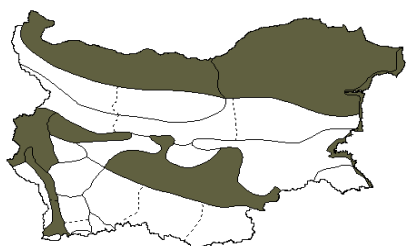
**Dipsacus laciniatus**  
L.



1000  
⇕  
0

Eur-Med

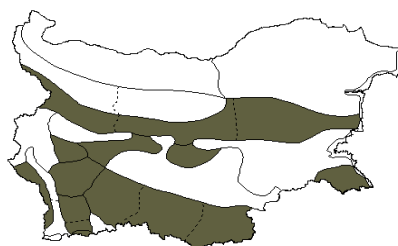
**Diplotaxis tenuifolia**  
(L.) DC.



800  
⇕  
0

Eur-Med

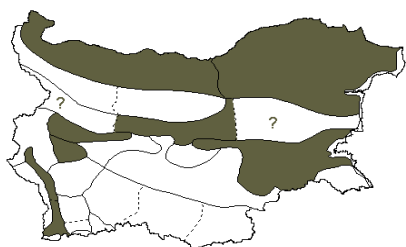
**Dipsacus pilosus**  
L.



2000  
⇕  
0

Pont-sMed

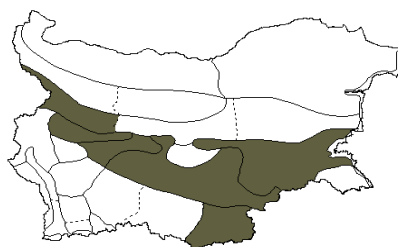
**Diplotaxis viminea**  
(L.) DC.



700  
⇕  
0

Eur-Med

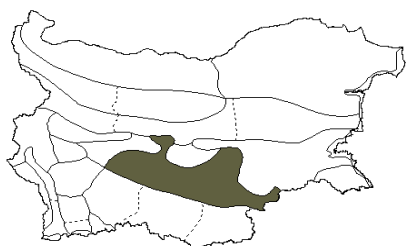
**Dittrichia graveolens**  
(L.) Greuter



500  
⇕  
0

Med

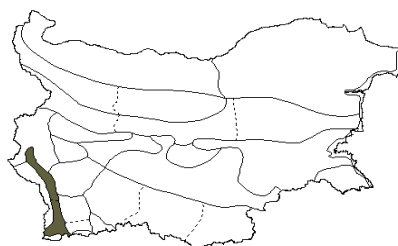
**Dipsacus ferox**  
Loisel.



1000  
⇕  
0

Med

**Dittrichia viscosa**  
(L.) Greuter



200  
⇕  
0

!

subMed

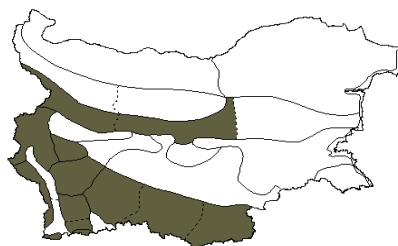
**Dipsacus fullonum**  
L.



1000  
⇕  
0

Eur-OT

**Doronicum austriacum**  
Jacq.

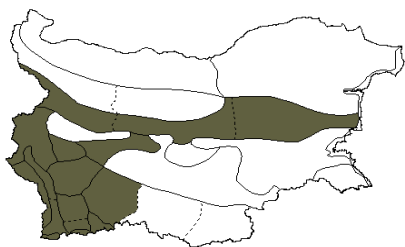


2000  
⇕  
1000

Eur-Med

### Doronicum columnae

Ten.



2500

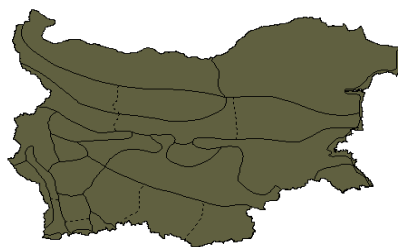


0

Pont-Med

### Dorycnium herbaceum

Vill.



1700

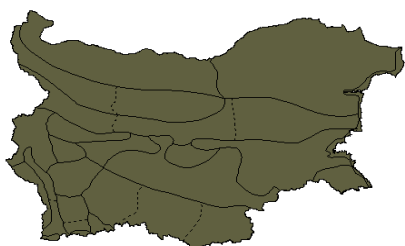


0

Eur-Med

### Doronicum hungaricum

Rchb.



2000

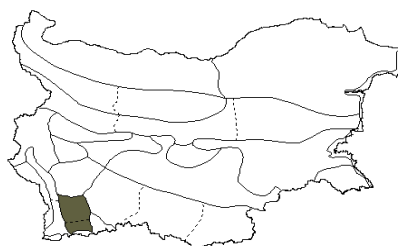


100

Pann-Bal

### Draba compacta

Schott



2000

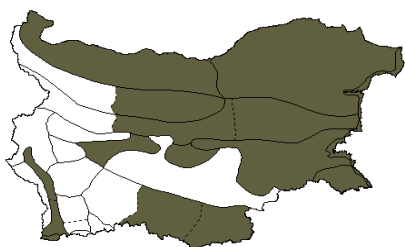


1000

Carp-Bal

### Doronicum orientale

Hoffm.



1000

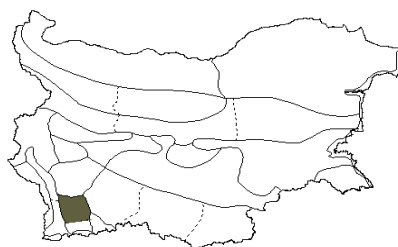


0

Bal-Dac

### Draba korabensis

Kumm. & Degen ex Jav.



2200



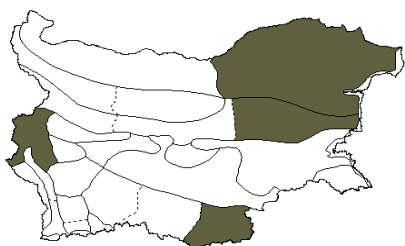
2200



Bal

### Dorycnium germanicum

(Gremli) Rikli



1200

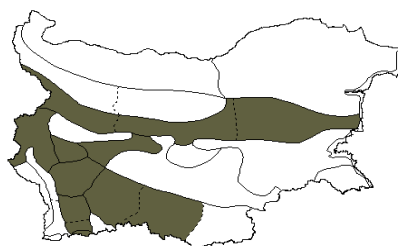


300

Eur

### Draba lasiocarpa

Rochel



1500

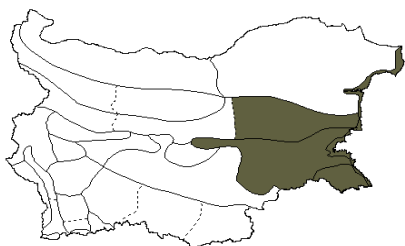


0

Eur-Med

### Dorycnium graecum

(L.) Ser.



500



0

Pont

### Draba muralis

L.



1500



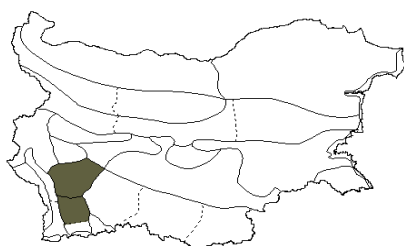
0

Eur-Med



# **Draba siliquosa**

M. Bieb.



2600

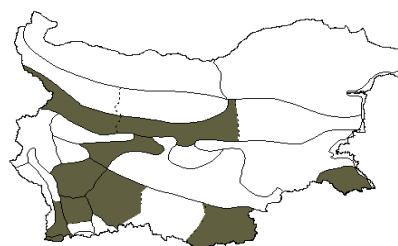


1800

Alp-Carp

# **Dryopteris affinis**

(Lowe) Fraser-Jenk.



1950

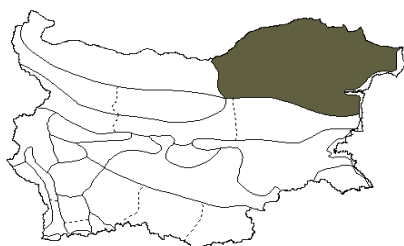


200

Eur

# **Dracocephalum triflorum**

L.



300

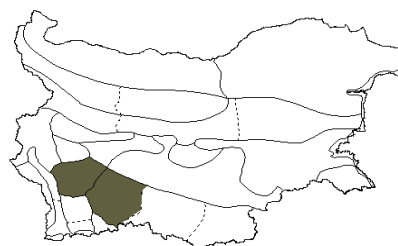


0

subMed

# **Dryopteris ambroseae**

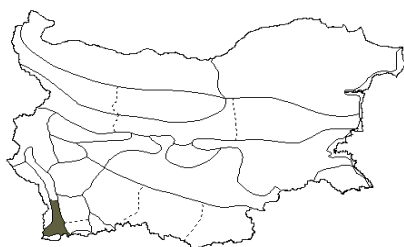
Fraser-Jenk. & Jermy



Hybr

# **Dracunculus vulgaris**

Schott



200



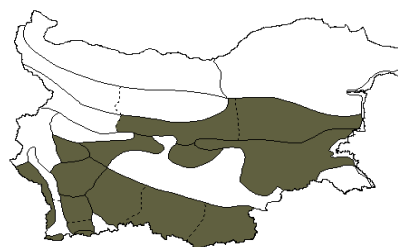
200



Med

# **Dryopteris carthusiana**

(Vill.) H. P. Fuchs



2700

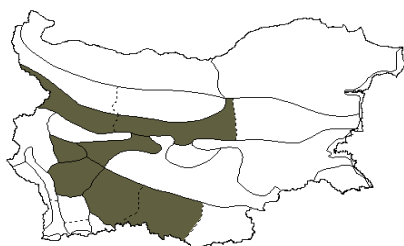


1000

Boreal

# **Drosera rotundifolia**

L.



2000



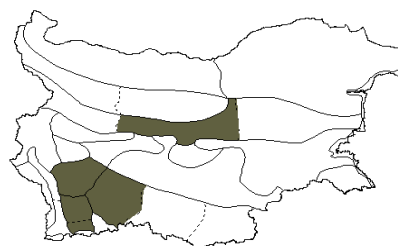
1500



Boreal

# **Dryopteris dilatata**

(Hoffm.) A. Gray



2300

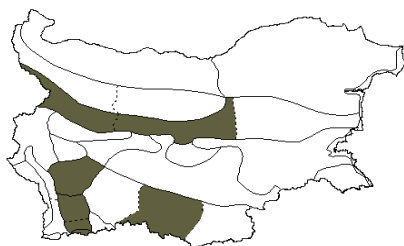


1500

Boreal

# **Dryas octopetala**

L.



2900

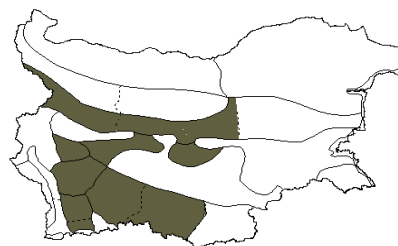


2000

Boreal

# **Dryopteris expansa**

(C. Presl) Fraser-Jenk. & Jermy



2000

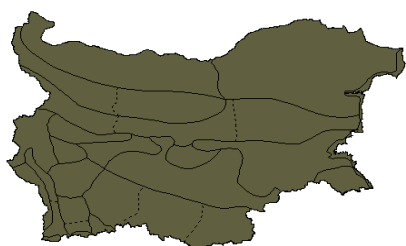


1500

Boreal

### **Dryopteris filix-mas**

(L.) Schott



1800

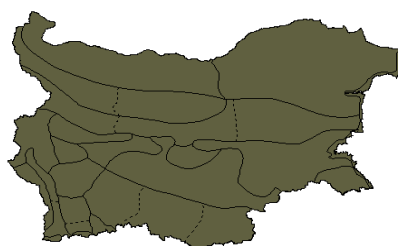


0

Boreal

### **Echinochloa crus-galli**

(L.) P. Beauv.



500

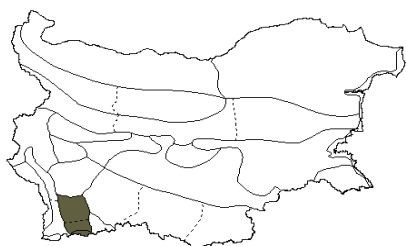


0

Kos

### **Dryopteris pallida**

(Bory) Maire & Petitm.



2900



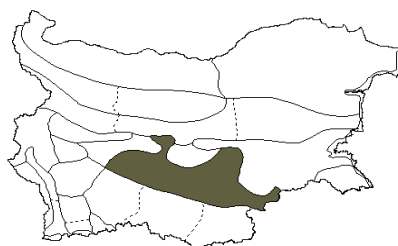
2400



subBoreal

### **Echinochloa oryzoides**

(Ard.) Fritsch



50

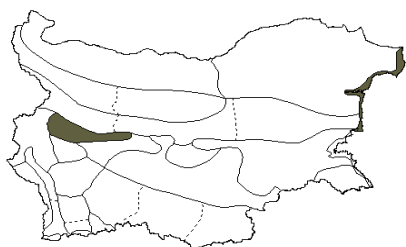


0

As

### **Duchesnea indica**

(Andrews) Focke



300

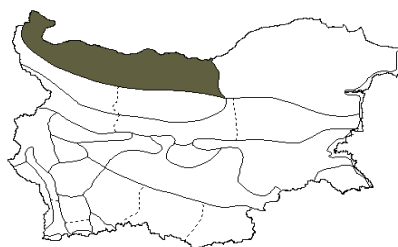


0

Adv (SAs)

### **Echinocystis lobata**

(Michx.) Torr. & Gray



200

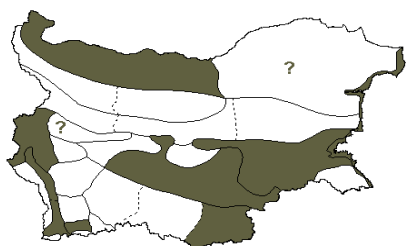


0

Adv (NAм)

### **Ecballium elaterium**

(L.) A. Rich.



400

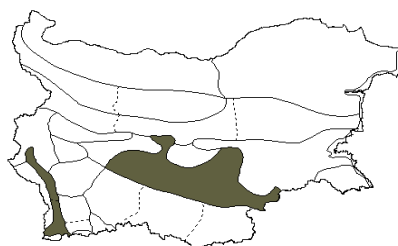


0

Med

### **Echinophora sibthorpiana**

Guss.



300

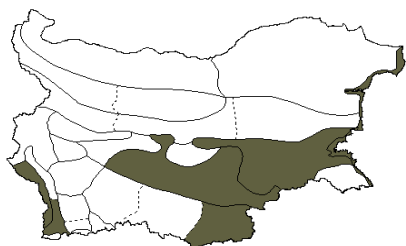


0

Pont-Med

### **Echinaria capitata**

(L.) Desf.



500



0

Med

### **Echinops banaticus**

Rochel ex Schrad.

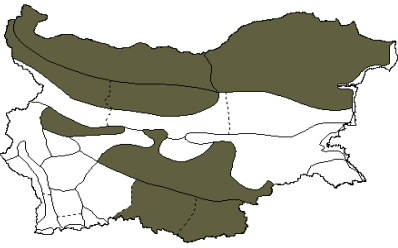

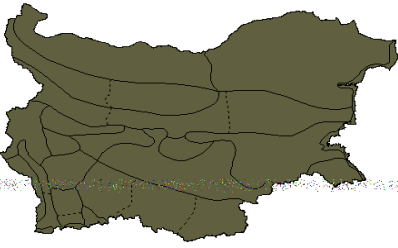
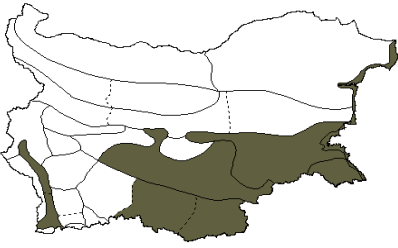





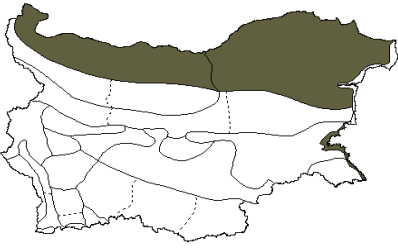


1500

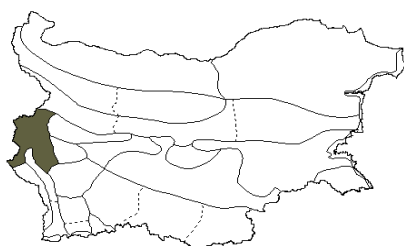


300

subMed

<p><b>Echinops exaltatus</b> Schrad.</p>  <p>1000 ⇅ 0</p> <p>Eur</p>	<p><b>Echium italicum</b> L.</p>  <p>1000 ⇅ 0</p> <p>subMed</p>
<p><b>Echinops microcephallus</b> Sm.</p>  <p>1000 ⇅ 0</p> <p>subMed</p>	<p><b>Echium plantagineum</b> L.</p>  <p>1000 ⇅ 0</p> <p>subMed</p>
<p><b>Echinops oxyodontus</b> Bornm. &amp; Diels</p>  <p>700 ⇅ 0</p> <p>Bal</p>	<p><b>Echium russicum</b> J. F. Gmel.</p>  <p>1000 ⇅ 0</p> <p>! subMed</p>
<p><b>Echinops ritro</b> L.</p>  <p>800 ⇅ 0</p> <p>Eur-Sib</p>	<p><b>Echium vulgare</b> L.</p>  <p>1500 ⇅ 0</p> <p>Eur-As</p>
<p><b>Echinops sphaerocephalus</b> L.</p>  <p>1000 ⇅ 0</p> <p>Eur-Med</p>	<p><b>Eclipta prostrata</b> (L.) L.</p>  <p>300 ⇅ 0</p> <p>Adv (Am)</p>

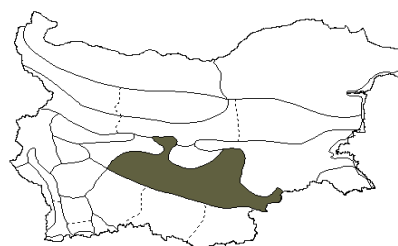
**Edraianthus graminifolius**  
(L.) DC.



500  
⇕  
0

Bal-As

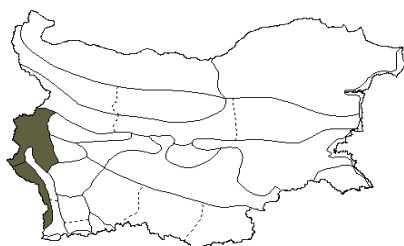
**Elatine ambigua**  
Wigth



500  
⇕  
0

Pont-As

**Edraianthus serbicus**  
(A. Kern.) Petrovič

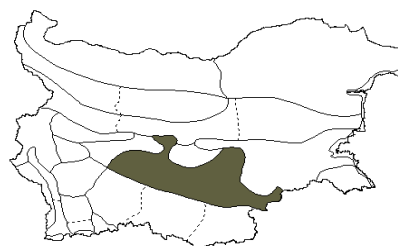


1300  
⇕  
0

!

Bal

**Elatine triandra**  
Schkuhr

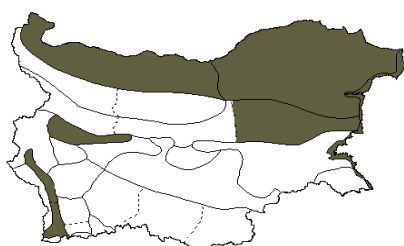


500  
⇕  
100

!

Boreal

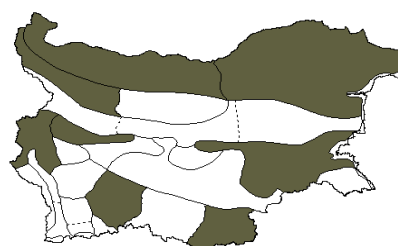
**Elaeagnus angustifolia**  
L.



500  
⇕  
0

Adv

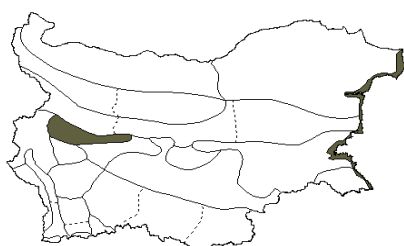
**Eleocharis acicularis**  
(L.) Roem. & Schult.



600  
⇕  
50

Boreal

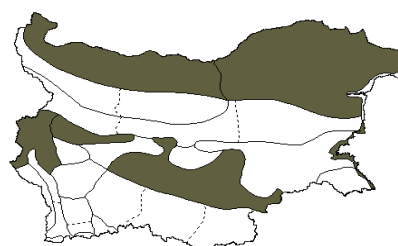
**Elaeagnus multiflora**  
L.



800  
⇕  
0

Adv (EAs)

**Eleocharis carniolica**  
W. Koch

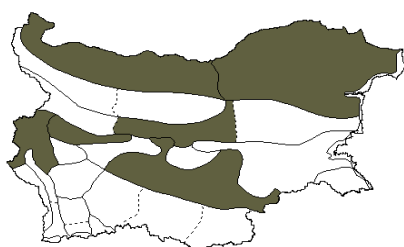


550  
⇕  
0

!

Eur

**Elatine alsinastrum**  
L.

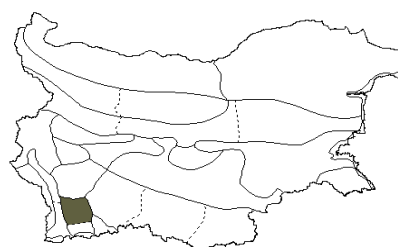


500  
⇕  
0

!

Eur-As

**Eleocharis mamillata**  
Lindb. f.



2400  
⇕  
2100

Boreal

### *Eleocharis palustris*

(L.) R. Br.



2200

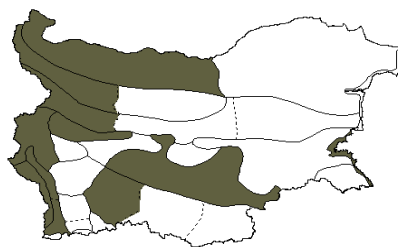


50

Kos

### *Elodea canadensis*

Michx.



1000

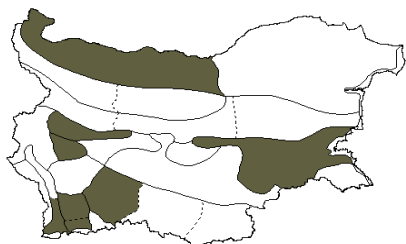


0

Adv (NAm)

### *Eleocharis quinqueflora*

(Hartm.) O. Schwartz



1000



50

Arct

### *Elodea nuttallii*

(Planch.) H. St. John.



200



0

Adv (NAm)

### *Eleocharis uniglumis*

(Link) Schult.



500

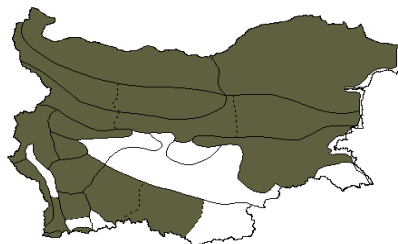


50

Kos

### *Elymus caninus*

(L.) L.



1700

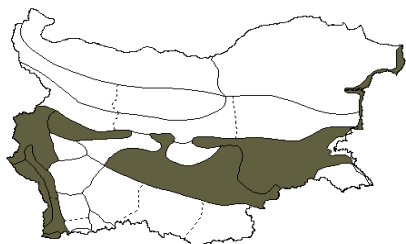


0

Boreal

### *Eleusine indica*

(L.) Gaertn.



500

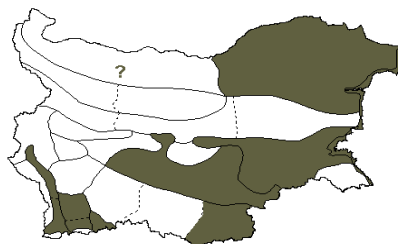


0

Adv

### *Elymus elongatus*

(Host) Runemark



900

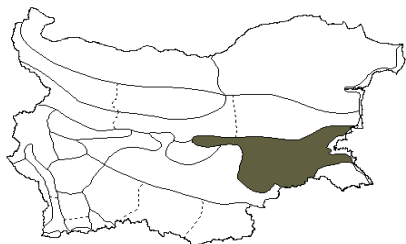


0

Pont-sMed

### *Eleusine tristachya*

(Lam.) Lam.



500

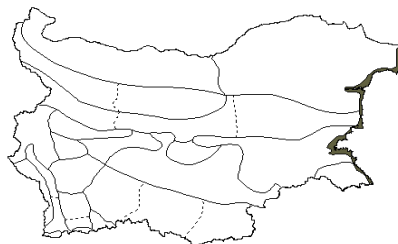


0

Adv

### *Elymus farctus*

(Viv.) Runemark ex Melderis



0



0

subMed

### *Elymus hispidus*

(Opiz) Melderis



1400

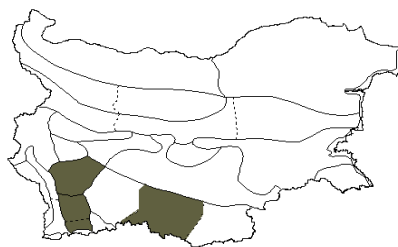


0

Pont-CAs

### *Empetrum hermaphroditum*

Hagerup



2700



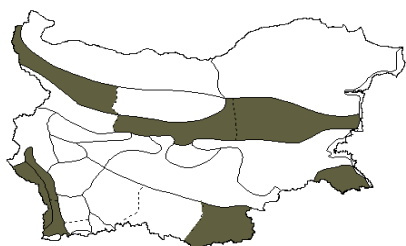
2200



Boreal

### *Elymus panormitanus*

(Parl.) Tzvelev



1200



0

Pont-Med

### *Ephedra distachya*

L.



600



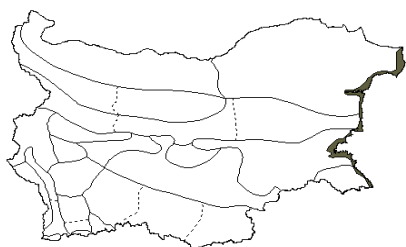
0



Pont-Med

### *Elymus pycnanthus*

(Godr.) Melderis



50

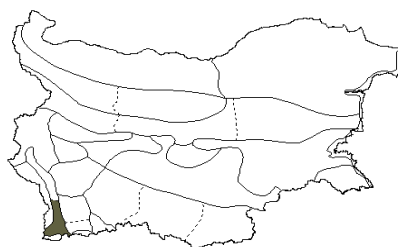


0

Med

### *Ephedra fragilis*

Desf.



300



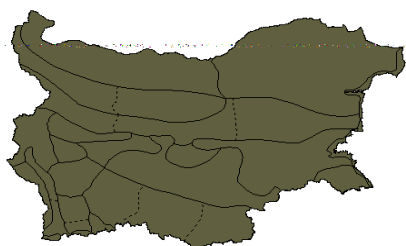
0



Med

### *Elymus repens*

(L.) Gould.



1600

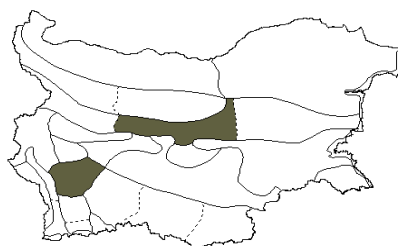


0

Boreal

### *Epilobium alpestre*

(Jacq.) Krock.



1800



0

Alp-Med

### *Elymus varnensis*

(Velen.) Kožuharov



300

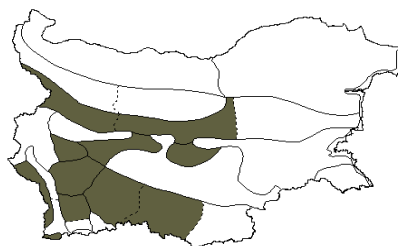


0

Pont

### *Epilobium alsinifolium*

Vill.



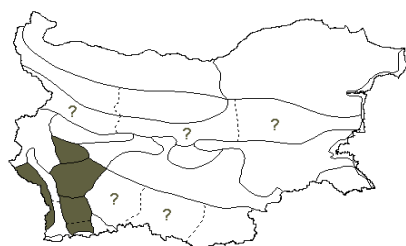
1400



800

Eur

**Epilobium anagallidifolium**  
Lam.



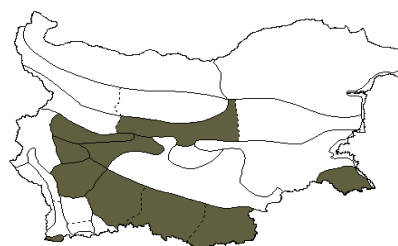
2500



0

Boreal

**Epilobium lanceolatum**  
Sebast. & Mauri



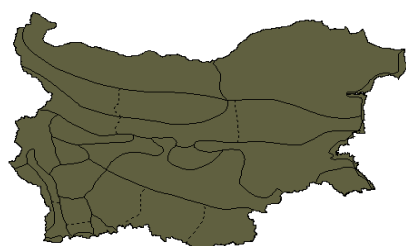
1200



500

subMed

**Epilobium angustifolium**  
L.



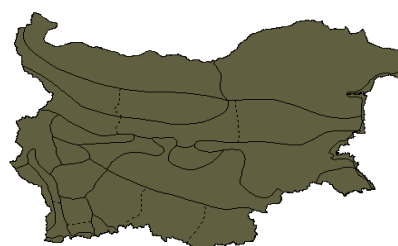
1800



100

subBoreal

**Epilobium montanum**  
L.



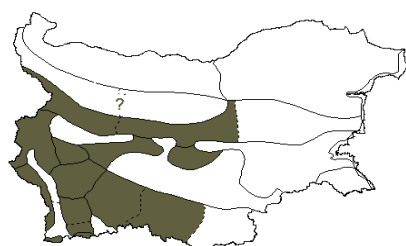
1500



0

Eur-OT

**Epilobium collinum**  
C. C. Gmel.



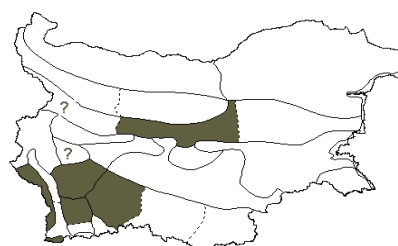
2700



0

Eur-Med

**Epilobium nutans**  
F. W. Schmidt



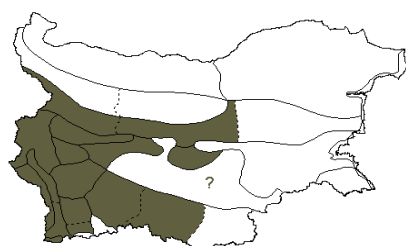
2500



0

Eur

**Epilobium dodonaei**  
Vill.



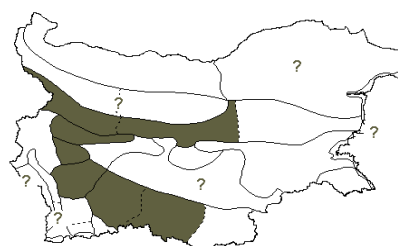
2000



500

Pont-Med

**Epilobium obscurum**  
Schreb.



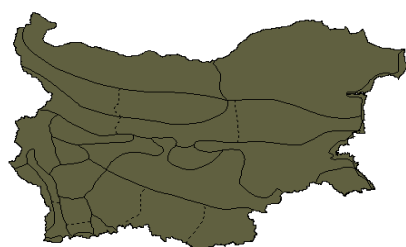
1500



500

Eur-Med

**Epilobium hirsutum**  
L.



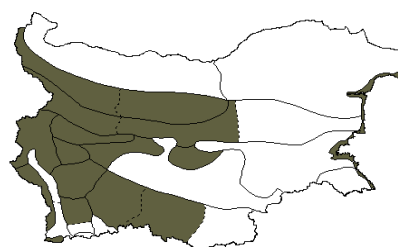
1400



0

Boreal

**Epilobium palustre**  
L.



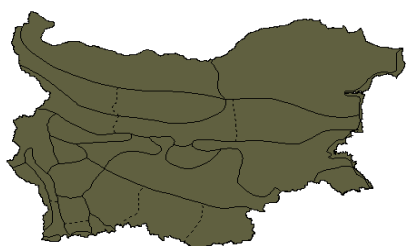
2100



500

subBoreal

### **Epilobium parviflorum** Schreb.



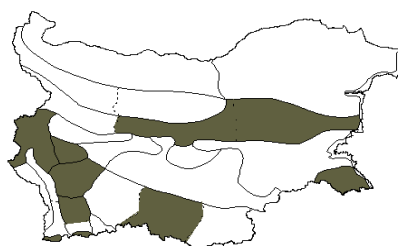
1200



0

subBoreal

### **Epipactis exilis** Delforge



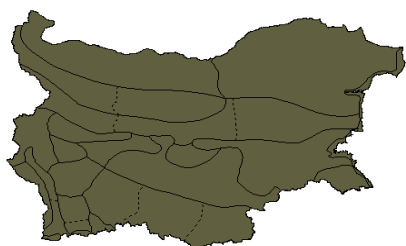
1800



800

EMed

### **Epilobium roseum** Schreb.



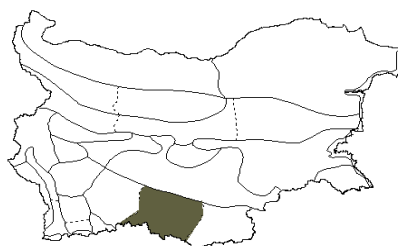
1500



500

Eur-Med

### **Epipactis greuteri** H. Baumann & Künkele



1200

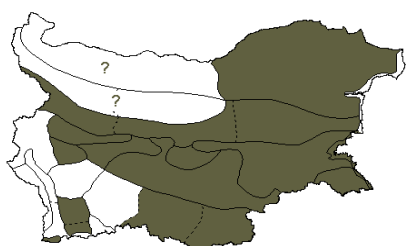


900



EMed

### **Epilobium tetragonum** L.



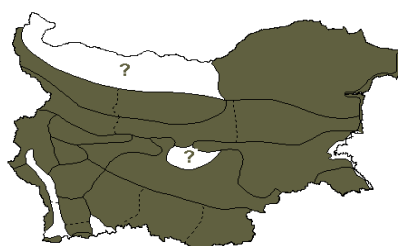
1400



0

subBoreal

### **Epipactis helleborine** (L.) Crantz



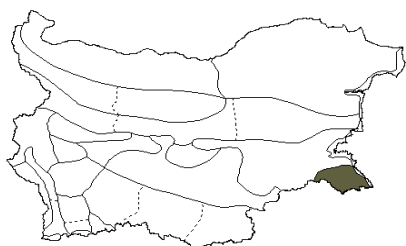
1500



0

subBoreal

### **Epimedium pubigerum** (DC.) Morren & Decne



300

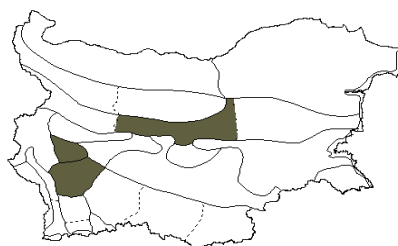


0



Bal-Anat

### **Epipactis leptochila** (Godfery) Godfery



1500

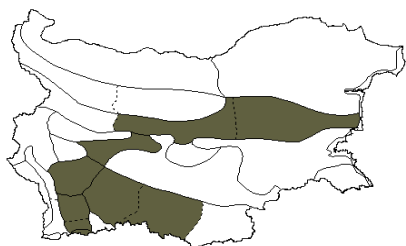


700



Eur

### **Epipactis atrorubens** (Hoffm.) Besser



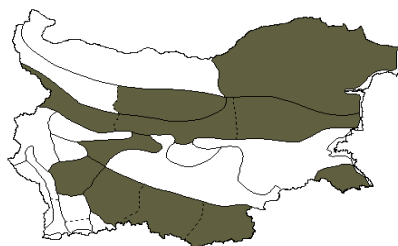
1000



0

Eur-As

### **Epipactis microphylla** (Ehrh.) Sw.



2000

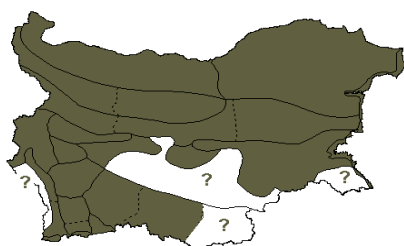


0

subMed



# **Epipactis palustris** (L.) Crantz



1000

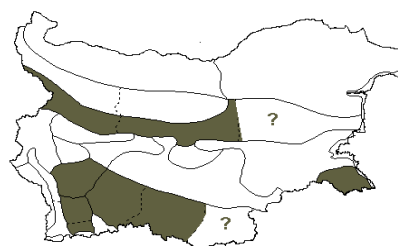


0



subMed

# **Epipogium aphyllum** Sw.



1700

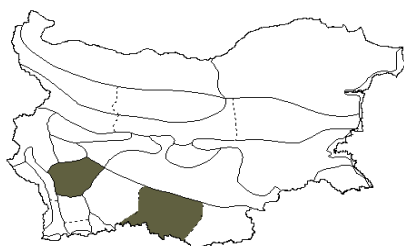


0



Eur-As

# **Epipactis persica** (Sóo) Nannf.



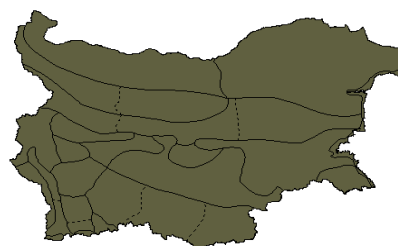
1500



0

EEur-Anat

# **Equisetum arvense** L.



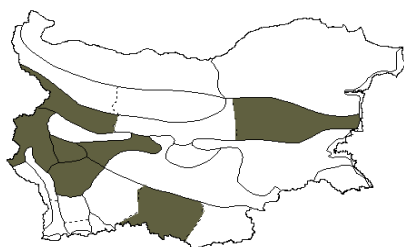
1600



0

Boreal

# **Epipactis pontica** Taubenheim



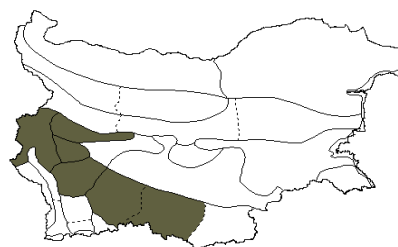
1400



800

SEur-Anat

# **Equisetum fluviatile** L.



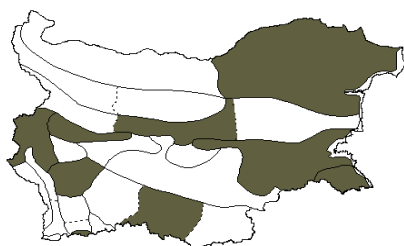
1800



600

Boreal

# **Epipactis purpurata** Sm.



800

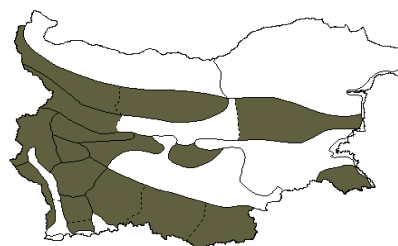


0



subBoreal

# **Equisetum hyemale** L.



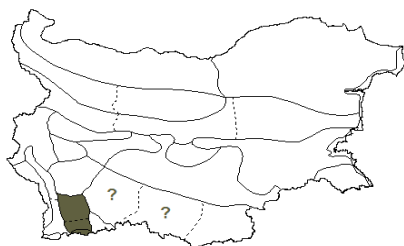
1900



100

Boreal

# **Epipactis spiridonovii** J. Devillers-Tershuren & P. Devillers



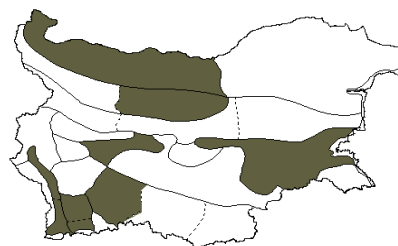
2200



500

Bal

# **Equisetum moorei** Newman



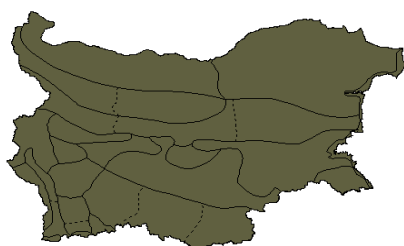
1200



200

Hybr

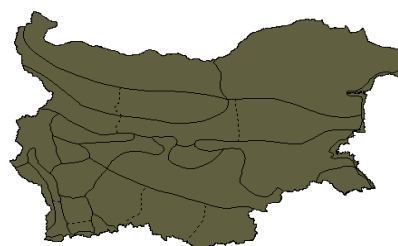
# **Equisetum palustre** L.



1500  
⇕  
0

Boreal

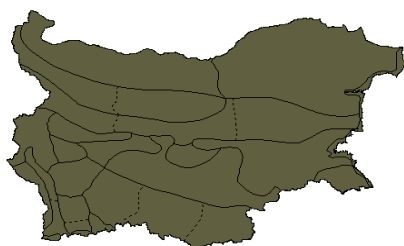
# **Eragrostis minor** Host



1000  
⇕  
0

subBoreal

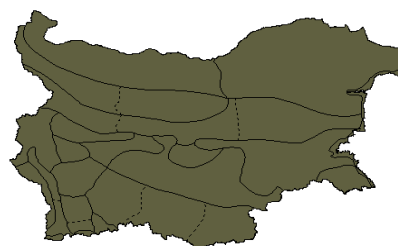
# **Equisetum ramosissimum** Desf.



1000  
⇕  
0

Boreal

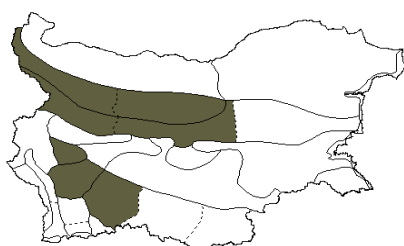
# **Eragrostis pilosa** (L.) P. Beauv.



1000  
⇕  
0

Kos

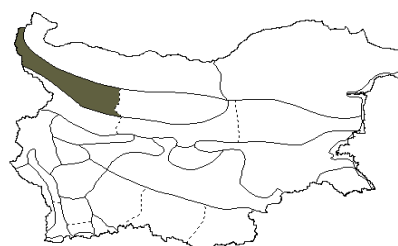
# **Equisetum sylvaticum** L.



2000  
⇕  
1000

Boreal

# **Eranthis bulgaricus** (Stef.) Stef.

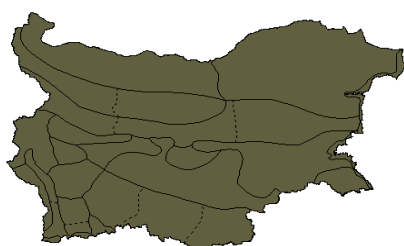


400  
⇕  
400

!

Bul

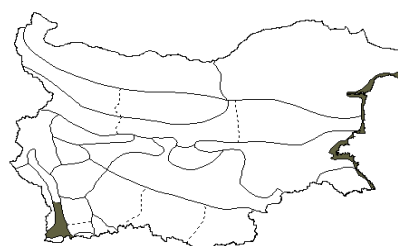
# **Equisetum telmateia** Ehrh.



1100  
⇕  
0

Boreal

# **Erianthus ravennae** (L.) P. Beauv.



100  
⇕  
0

!

Med-CAs

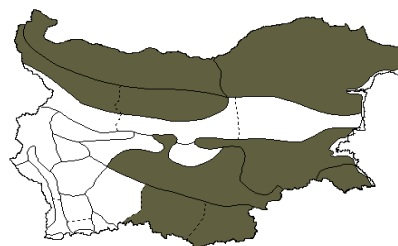
# **Eragrostis cilianensis** (All.) Vignolo



1000  
⇕  
0

Eur-As

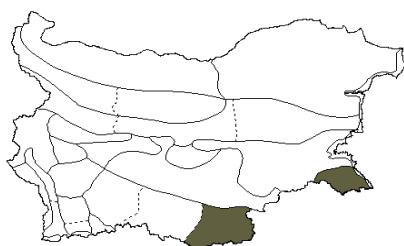
# **Erianthus strictus** (Host) Bluff



500  
⇕  
0

Med

### *Erica arborea* L.



500



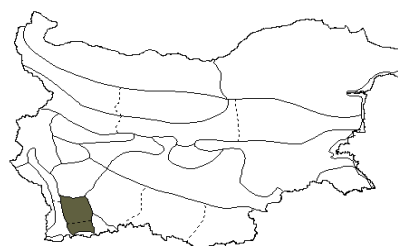
100



Pont-Med

### *Erigeron glabratus*

Hoppe & Hornsch. ex Bluff et Fingerh.



2900

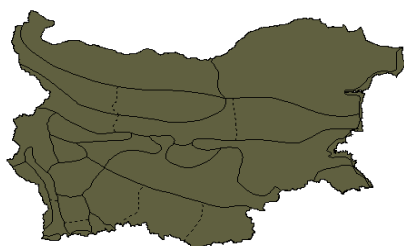


1800

Alp-Med

### *Erigeron acer*

L.



2000

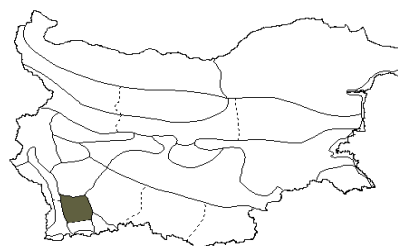


0

Boreal

### *Erigeron uniflorus*

L.



2900



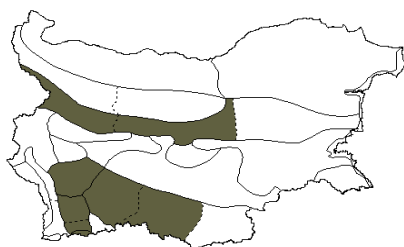
2000



Eur-OT

### *Erigeron alpinus*

L.



2500

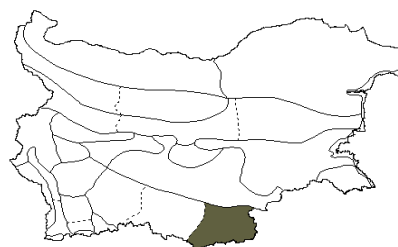


1800

Boreal

### *Eriolobus trilobata*

M. Roem.



150



150



Med

### *Erigeron annuus*

(L.) Pers.



500

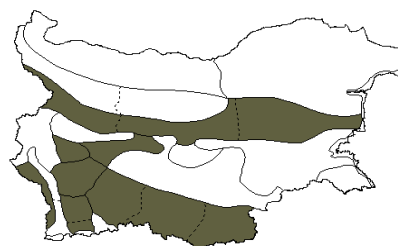


0

Boreal

### *Eriophorum angustifolium*

Roth



2700

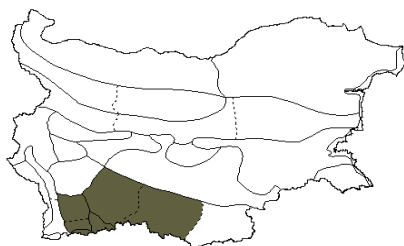


2000

Boreal

### *Erigeron atticus*

Vill.



2600

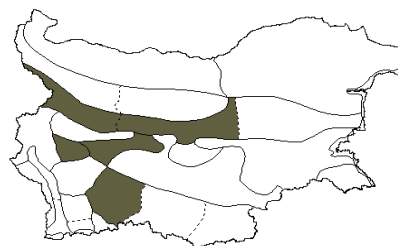


1100

Alp-Med

### *Eriophorum gracile*

Koch ex Roth



2700

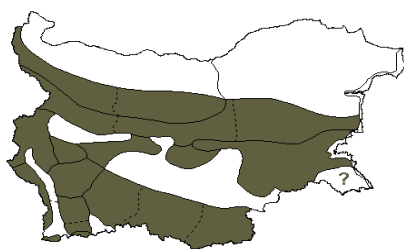


2000

Boreal

### *Eriophorum latifolium*

Hoppe



2700

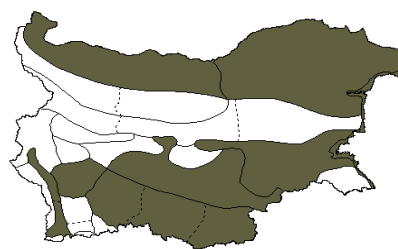


900

Boreal

### *Erodium hoefftianum*

C. A. Mey.



800

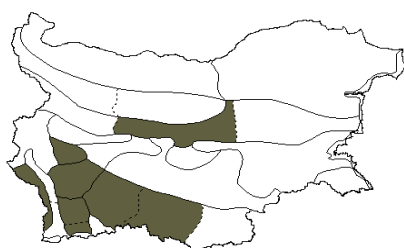


0

Pont-CAs

### *Eriophorum vaginatum*

L.



2700

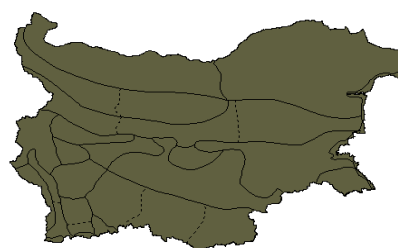


2000

Eur-As

### *Erophila verna*

(L.) Chevall.



1500

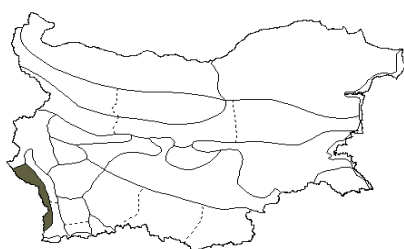


0

Eur-Med-CAs

### *Erodium absinthoides*

Willd.



1200



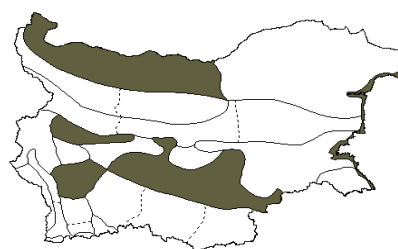
1200



Bal-Anat

### *Eruca vesicaria*

(L.) Cav.



1000

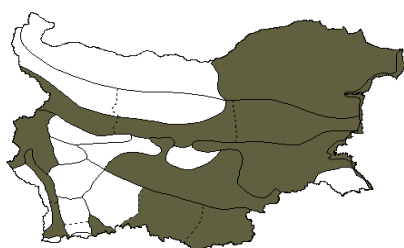


0

Med

### *Erodium ciconium*

(L.) L'Hér.



1000

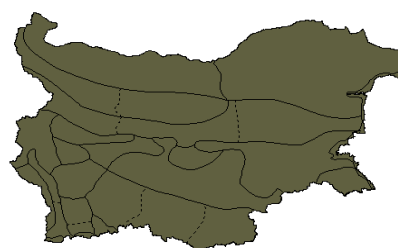


0

subMed

### *Eryngium campestre*

L.



900

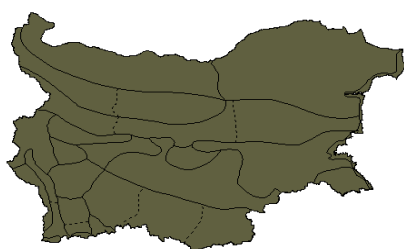


0

Pont-Med

### *Erodium cicutarium*

(L.) L'Hér.



1500

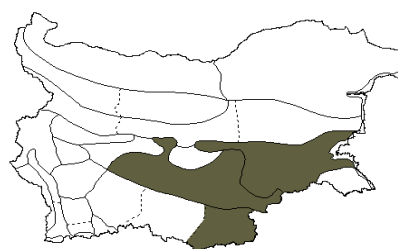


0

subBoreal

### *Eryngium creticum*

Lam.



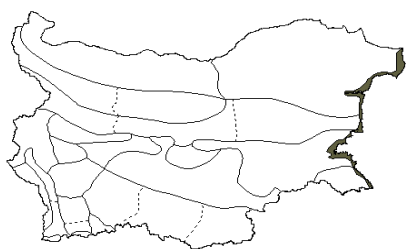
200



0

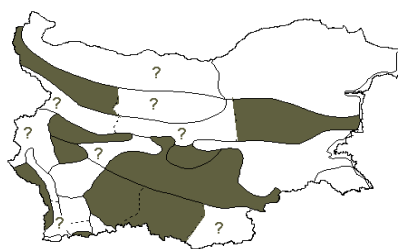
Med

**Eryngium maritimum**  
L.



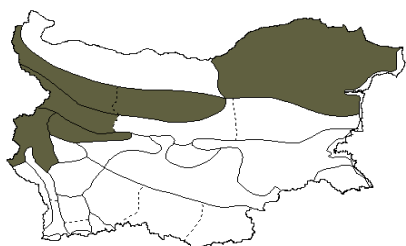
0  
⇕  
0  
!  
Eur-Med

**Erysimum crassistylum**  
C. Presl



900  
⇕  
100  
Ap-Bal

**Eryngium palmatum**  
Pančić & Vis.



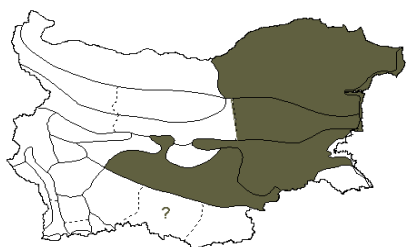
1100  
⇕  
500  
!  
Bal

**Erysimum cuspidatum**  
(M. Bieb.) DC.



1800  
⇕  
0  
Eur-OT

**Erysimum bulgaricum**  
(Velen.) Ančev & Polatschek



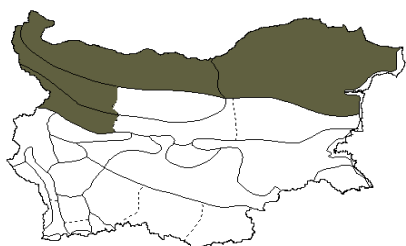
700  
⇕  
100  
Bal

**Erysimum diffusum**  
Ehrh.



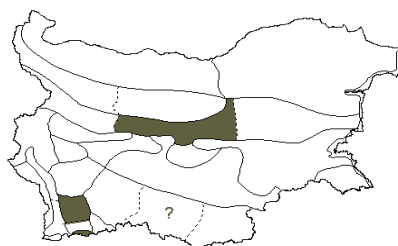
1200  
⇕  
0  
CSEur

**Erysimum cheiranthoides**  
L.



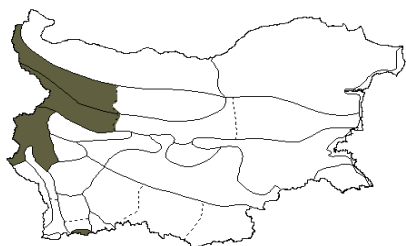
450  
⇕  
100  
Eur-As

**Erysimum drenowskyi**  
Degen



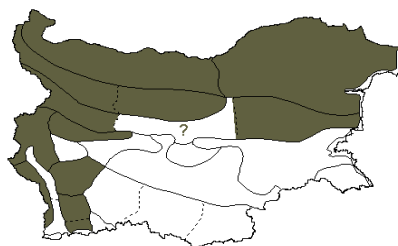
2000  
⇕  
0  
Bal

**Erysimum comatum**  
Pančić



1750  
⇕  
450  
!  
subBal

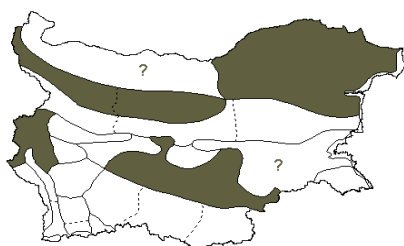
**Erysimum moesiaticum**  
Velen.



1000  
⇕  
0  
subBoreal

### *Erysimum odoratum*

Ehrh.



1000

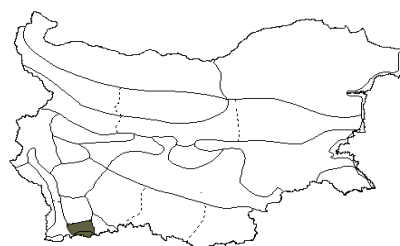


300

Pont-Med

### *Erysimum slavjankae*

Ančev & Polatschek



2200



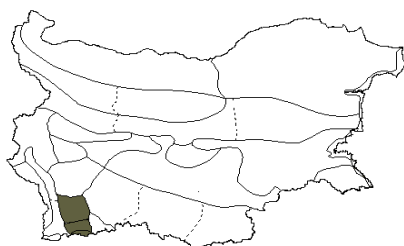
1800



Bul

### *Erysimum pirinicum*

Ančev & Polatschek



2000

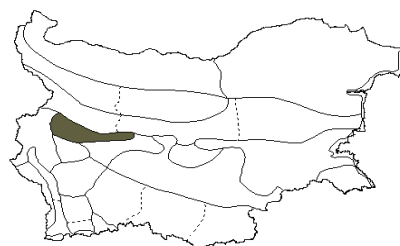


1300

Bal

### *Erysimum sylvestre*

(Crantz) Scop.



1000

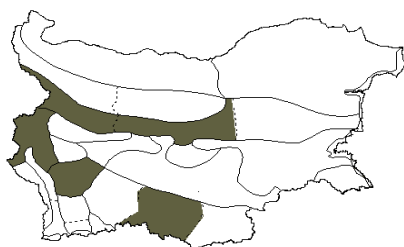


0

Alp

### *Erysimum pseudoatticum*

Ančev & Polatschek



2600

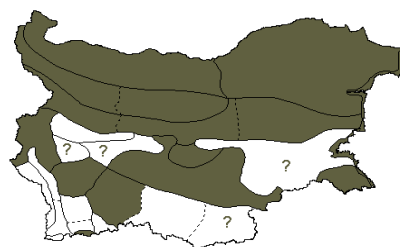


700

Bul

### *Erysimum welchevii*

Urum.



1300

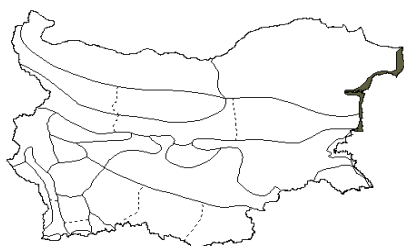


0

Bal

### *Erysimum quadrangulum*

(L'Hér.) Desf.



250



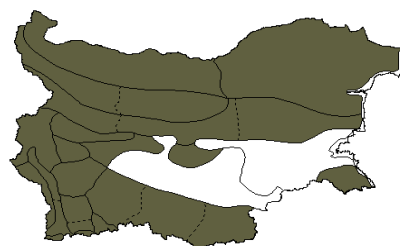
50



Pont-Sib

### *Erythronium dens-canis*

L.



1200

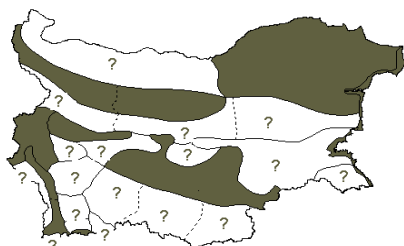


500

Med

### *Erysimum repandum*

L.



900

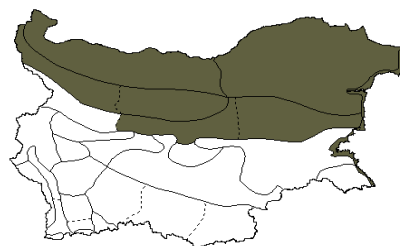


0

Eur-As

### *Euclidium syriacum*

(L.) R. Br.



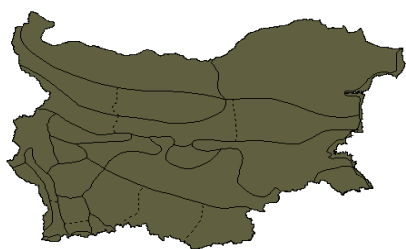
800



0

Eur-As

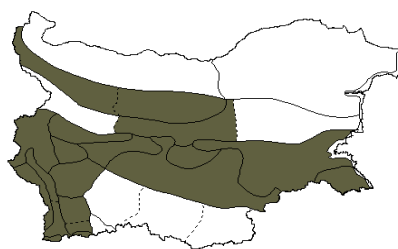
### *Eupatorium cannabinum* L.



1000  
⇕  
0

Eur-As

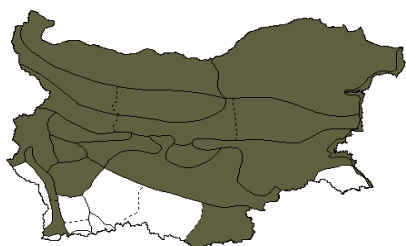
### *Euphorbia barrelieri* Savi



2400  
⇕  
100

Med

### *Euphorbia agraria* M. Bieb.



1000  
⇕  
0

subMed

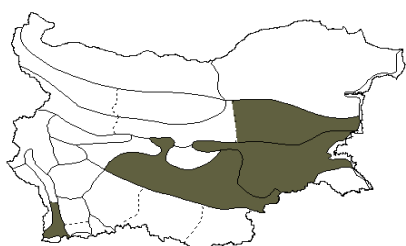
### *Euphorbia chamaesyce* L.



1000  
⇕  
0

Eur-As

### *Euphorbia aleppica* L.



300  
⇕  
0

!

Med

### *Euphorbia cyparissias* L.



2200  
⇕  
0

Eur

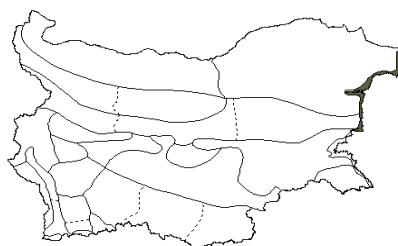
### *Euphorbia amygdaloides* L.



2400  
⇕  
0

Eur

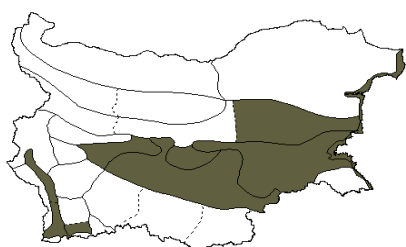
### *Euphorbia davidii* Subils



100  
⇕  
0

Adv (Am)

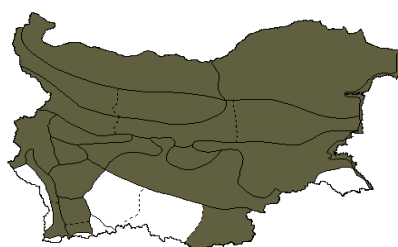
### *Euphorbia apios* L.



900  
⇕  
100

subMed

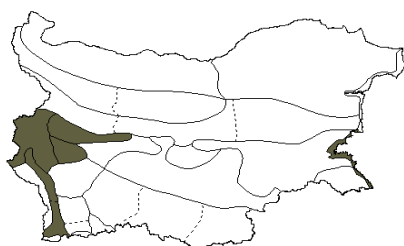
### *Euphorbia esula* L.



900  
⇕  
0

Eur-As

### *Euphorbia exigua* L.



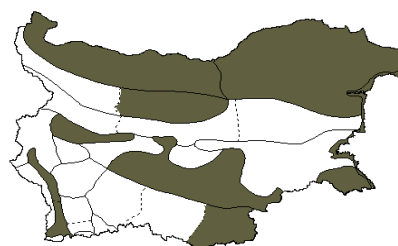
800



0

Eur-Med

### *Euphorbia maculata* L.



500



0

Adv (NAm)

### *Euphorbia falcata* L.



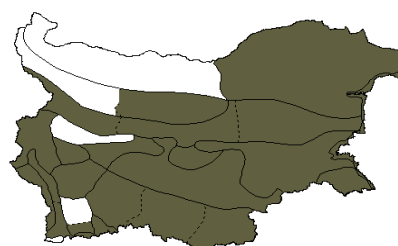
1200



0

Med-As

### *Euphorbia myrsinites* L.



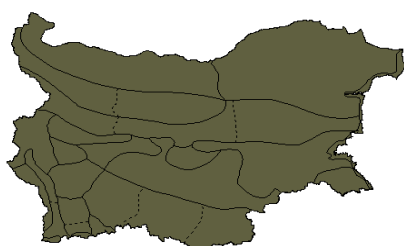
2000



0

subMed

### *Euphorbia helioscopia* L.



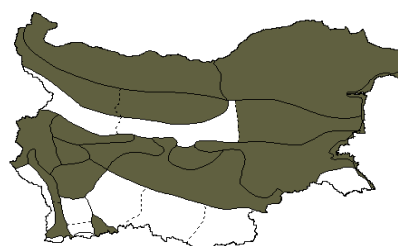
1300



100

Eur-As

### *Euphorbia nicaeensis* All.



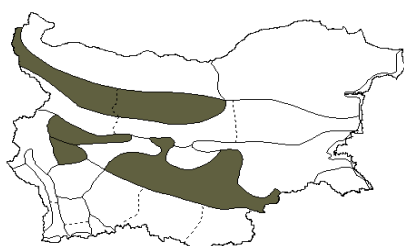
800



0

Eur-Med

### *Euphorbia lathyris* L.



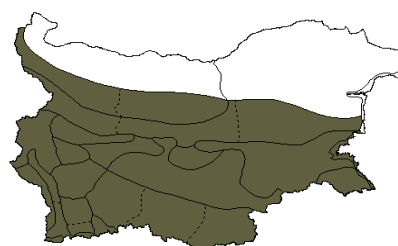
500



0

Adv (Jap-Ch)

### *Euphorbia niciciana* Borbás



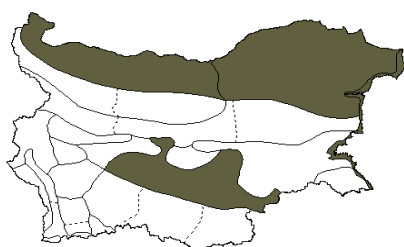
1000



0

Med

### *Euphorbia lucida* Waldst. & Kit.



150

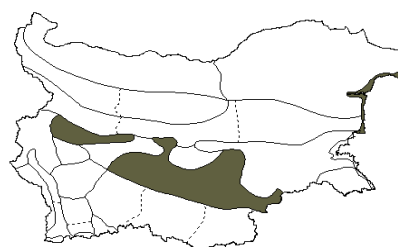


0



Eur-Sib

### *Euphorbia nutans* Lag.



500

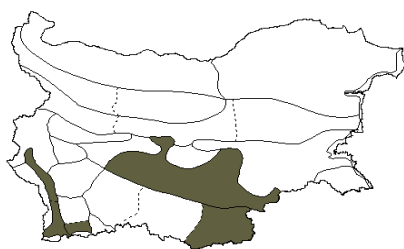


0

Adv (NAm)



### *Euphorbia oblongata* Griseb.



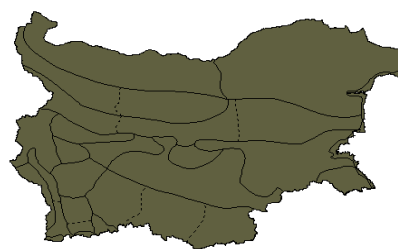
1000



200

Med

### *Euphorbia plathyphyllos* L.



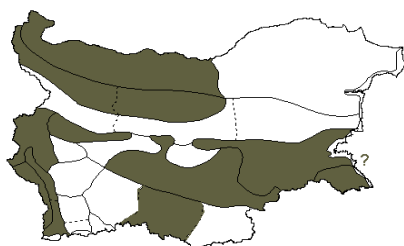
1000



0

Eur-Med

### *Euphorbia palustris* L.



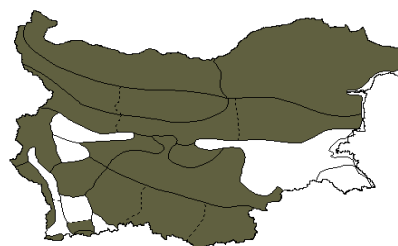
800



200

Eur-As

### *Euphorbia polychroma* A. Kern.



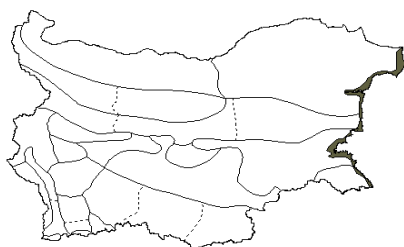
1300



200

Eur

### *Euphorbia paralias* L.



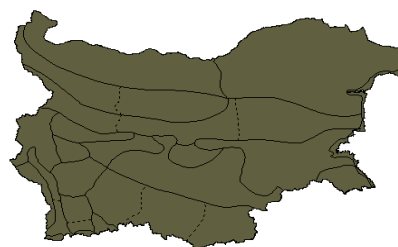
0



0

Eur-Med

### *Euphorbia salicifolia* Host



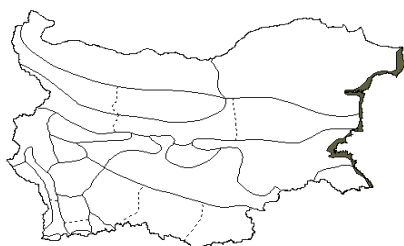
1400



0

subMed

### *Euphorbia peplis* L.



0

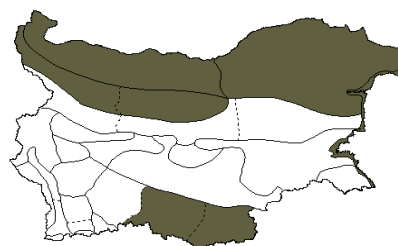


0



Eur-Pont

### *Euphorbia seguenerana* Neck.



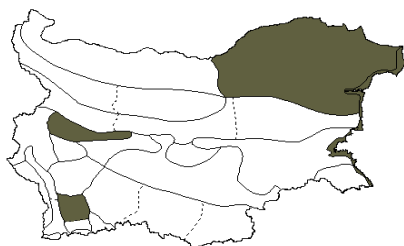
350



0

Eur-As

### *Euphorbia peplus* L.



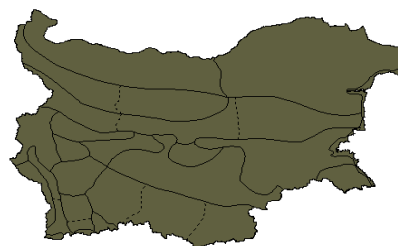
600



0

Boreal

### *Euphorbia serrulata* Thuill.



1600

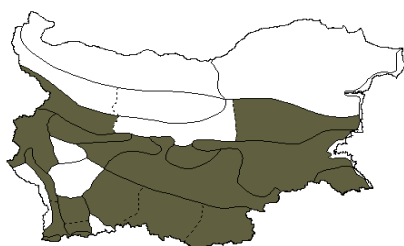


100

subMed-As

### *Euphorbia taurinensis*

All.



1200

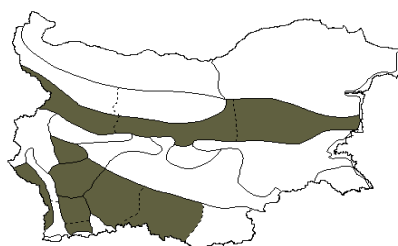


0

subMed

### *Euphrasia minima*

Jacq. ex DC.



2900

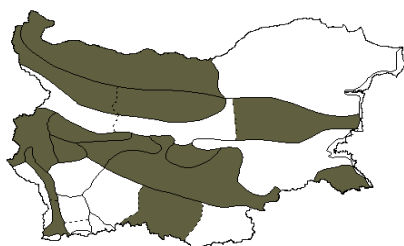


2000

Alp-Carp-Bal

### *Euphorbia villosa*

Waldst. & Kit.



1000

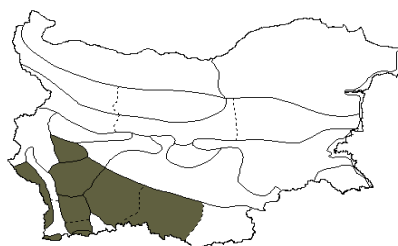


0

subMed

### *Euphrasia montana*

Jord.



2000

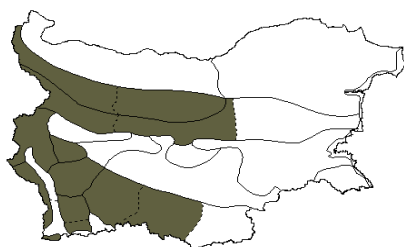


1000

Eur-As

### *Euphrasia hirtella*

Jord. ex Reut.



2500

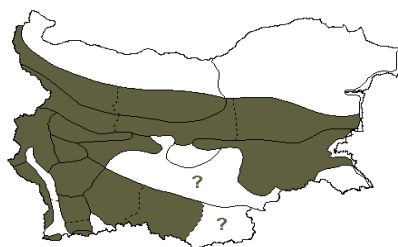


800

Eur-As

### *Euphrasia pectinata*

Ten.



2000

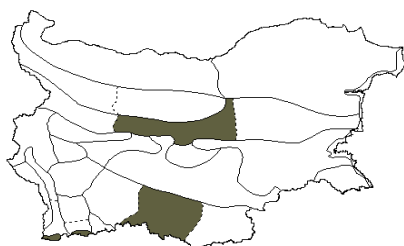


400

subMed

### *Euphrasia illyrica*

Wettst.



2000

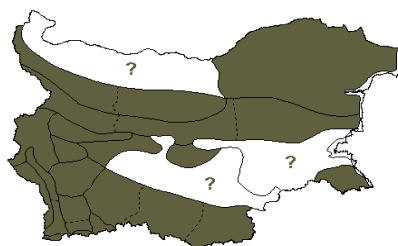


1000

subMed

### *Euphrasia picta*

Wimm.



2000

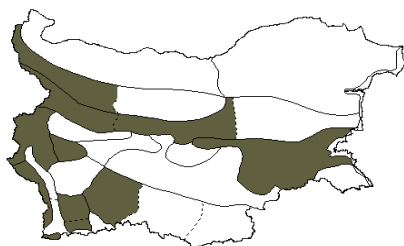


500

subMed

### *Euphrasia liburnica*

Wettst.



2000



500

Carp-Bal

### *Euphrasia rostkoviana*

Hayne



2000

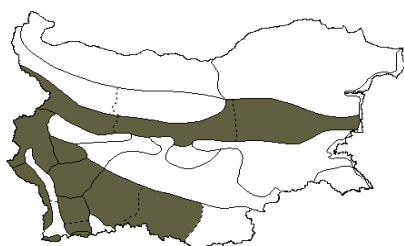


200

Eur-As

## Euphrasia salisburgensis

Funck



2500

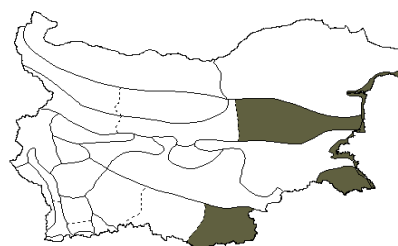


1000

subMed

## Fagus orientalis

Lipsky



800

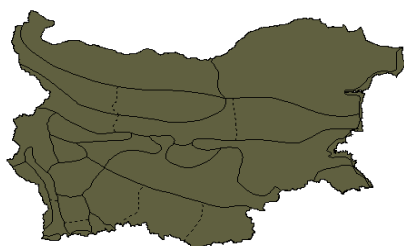


0

SEux

## Euphrasia stricta

D. Wolff.



2000

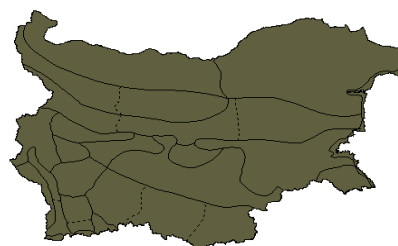


0

Eur-Med

## Fagus sylvatica

L.



2000

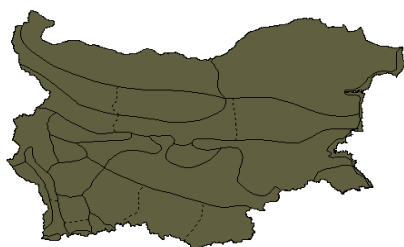


100

Eur

## Evonymus europaeus

L.



1800

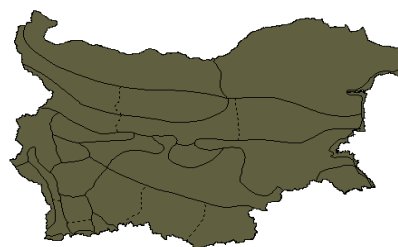


200

Eur-As

## Falcaria vulgaris

Bernh.



800

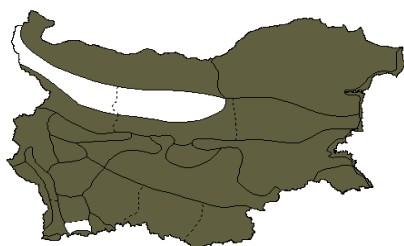


0

Eur-As

## Evonymus latifolius

(L.) Mill.



1600

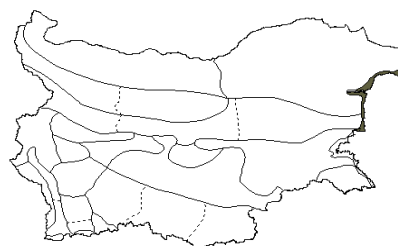


0

Eur-Med

## Fallopia aubertii

(Louis Henry) J. Holub



1000



0

Adv (As)

## Evonymus verrucosus

Scop.



1500

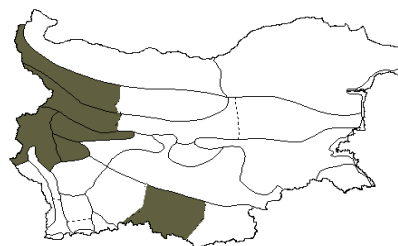


0

Eur-Med

## Fallopia bochemica

(Chrték & Chrtkova) J. P. Baylei



1000



0

Adv (Hybr)

### *Fallopia japonica*

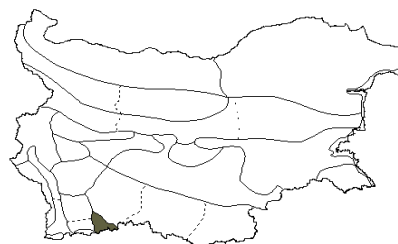
(Houtt.) Dcne.



Adv

### *Festuca achtarovii*

Velčev & Vassilev



500

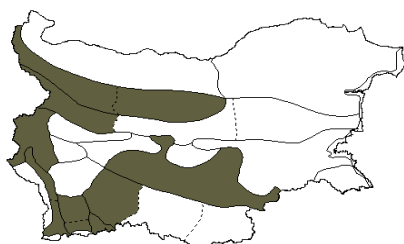


0

Bul

### *Ferula heuffelii*

Griseb.



1000

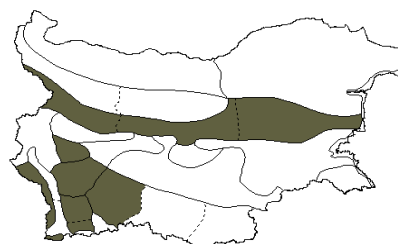


0

Carp-Bal

### *Festuca airoides*

Lam.



1800

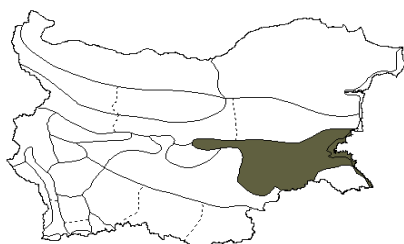


1400

Boreal

### *Ferula orientalis*

L.



500



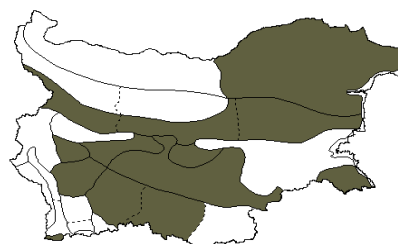
0



Pont

### *Festuca altissima*

All.



1700

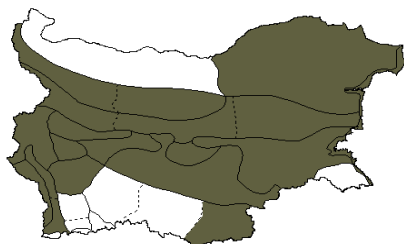


0

subBoreal

### *Ferulago campestris*

(Besser) Grecescu



1200

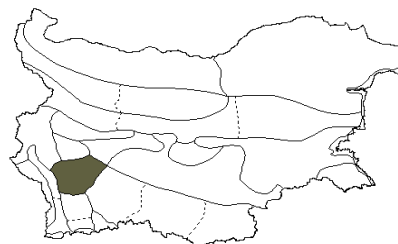


0

Eur-Sib

### *Festuca amethystina*

L.



2900

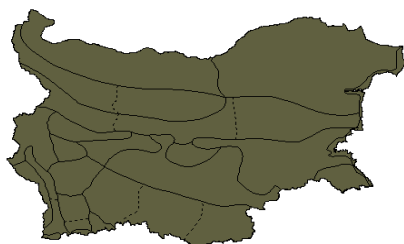


2000

Pont-Med

### *Ferulago sylvatica*

(Besser) Rchb.



900

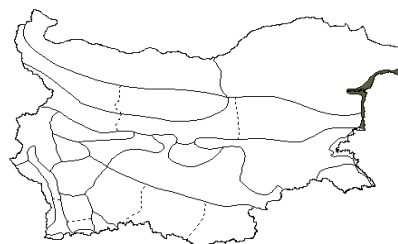


0

subMed

### *Festuca arenicola*

(Prodán) Són



100



0

Pont

### *Festuca arundinacea*

Schreb.



1000

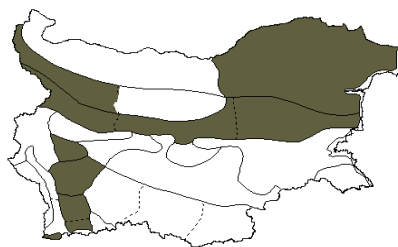


0

Pont-SAs

### *Festuca drymeja*

Mert & Koch



1500

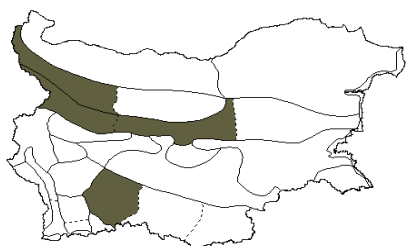


0

subMed

### *Festuca balcanica*

(Acht.) Markgr.-Dann.



1600

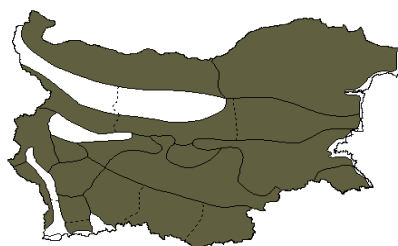


0

Bul

### *Festuca gigantea*

(L.) Vill.



1700

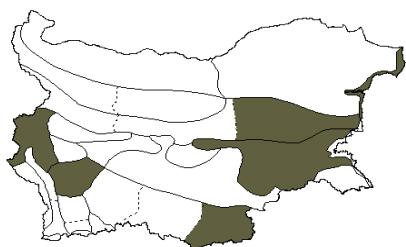


0

Boreal

### *Festuca callieri*

(Hack. ex St-Yves) Markgr.-Dann.



1000

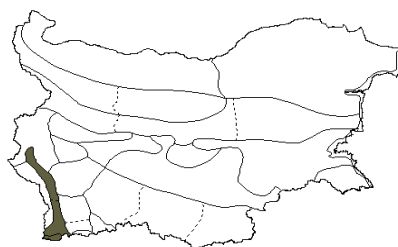


0

Pont-Med

### *Festuca hercegovinica*

(Acht.) Markgr.-Dann.



1800

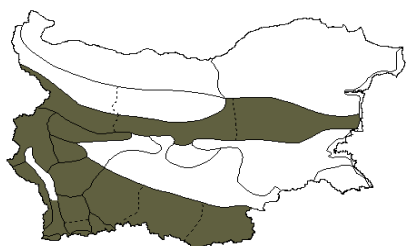


1500

Bal

### *Festuca dalmatica*

(Hack.) K. Richt.



2000

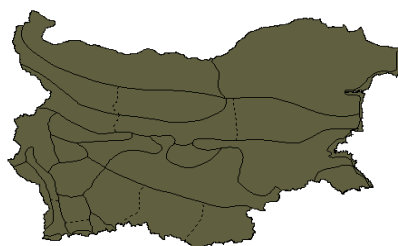


1000

subMed

### *Festuca heterophylla*

Lam.



1400

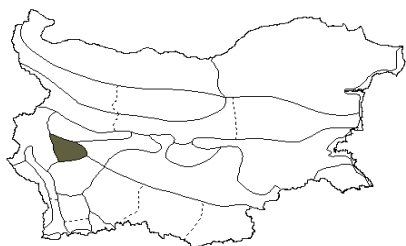


0

Boreal

### *Festuca diffusa*

Dumort.



1300

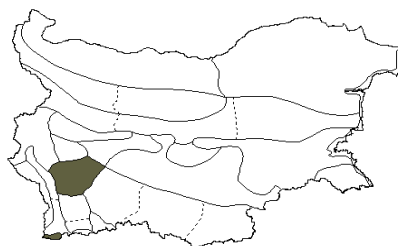


0

Eur

### *Festuca hirtovaginata*

(Acht.) Markgr.-Dann.



2000

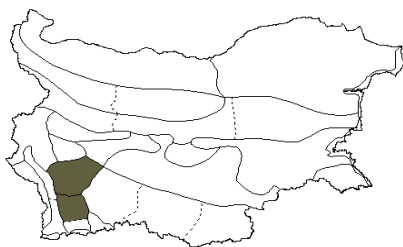


1700

Bal

### *Festuca horvatica*

Markgr.-Dann.



2000

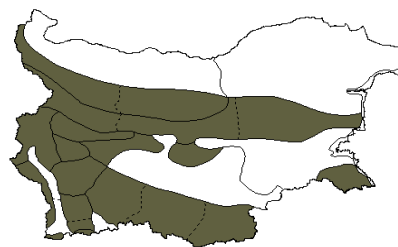


1600

Bal

### *Festuca nigrescens*

Lam.



2200

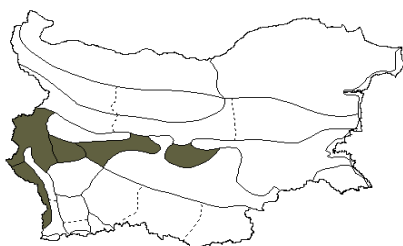


700

Eur

### *Festuca illyrica*

Markgr.-Dann.



1000

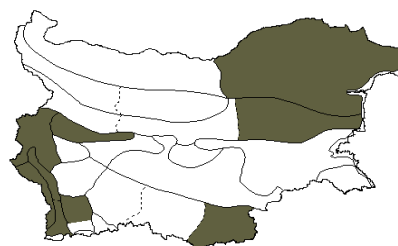


700

Bal

### *Festuca oviniformis*

Vetter



600

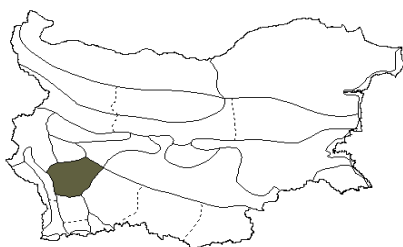


0

Bal

### *Festuca koritnicensis*

Vetter ex Hayek



2200

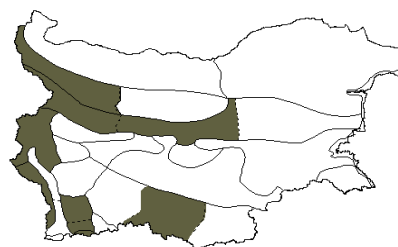


2200

Bal

### *Festuca panciana*

(Hack.) K. Richt.



2000

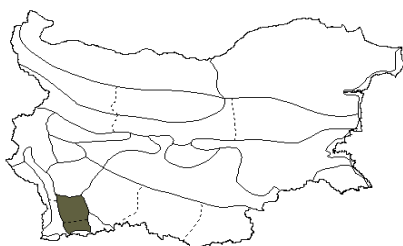


1500

Boreal

### *Festuca macedonica*

Vetter



1500

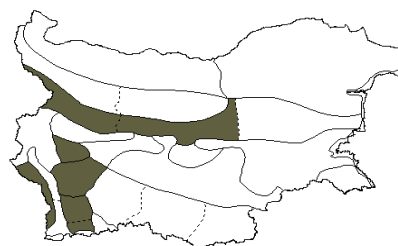


1000

Bal

### *Festuca paniculata*

(L.) Schinz & Thell.



2900

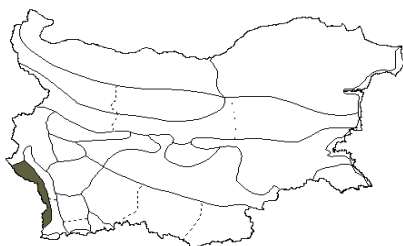


1000

Alp-Carp-Bal

### *Festuca maleschevica*

Velčev & Vassilev



2000

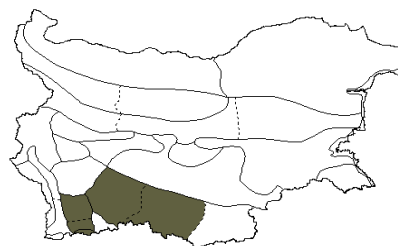


1000

Bul

### *Festuca penzesii*

(Acht.) Markgr.-Dann.



2900

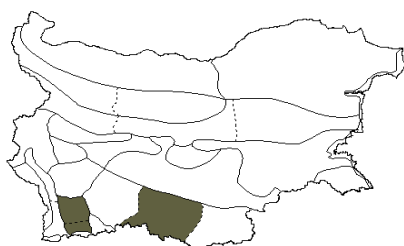


1000

Bal

### *Festuca peristerea*

(Vetter) Markgr.-Dann.



2400

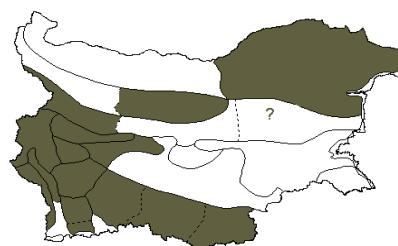


1500

Bal

### *Festuca pseudodalmatica*

Krajina ex Domin



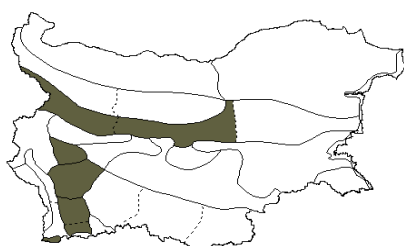
1500



900

### *Festuca picturata*

Pils.



2900

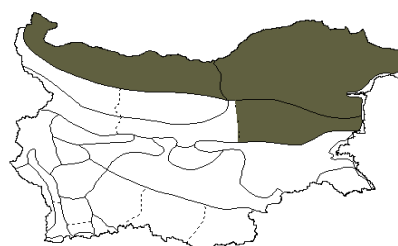


2000

SEEur

### *Festuca pseudovina*

Hack. ex Wiesb.



200

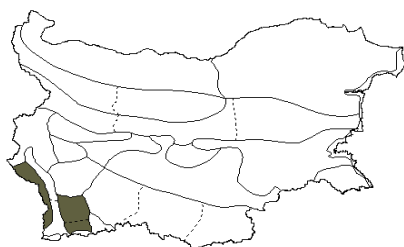


0

subMed

### *Festuca pirinensis*

(Acht.) Acht.



2500

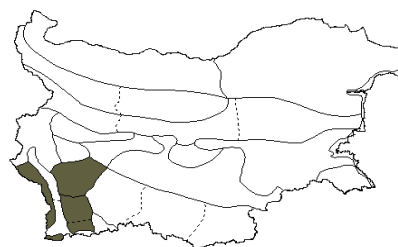


1500

Bul

### *Festuca riloensis*

(Hack. ex Hayek) Markgr.-Dann.



2900

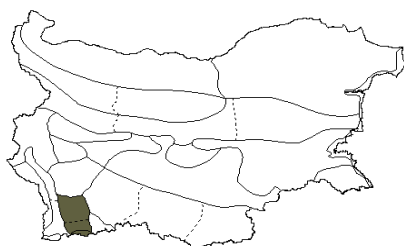


2000

Bal

### *Festuca pirinica*

Horv. ex Markgr.-Dann.



2900

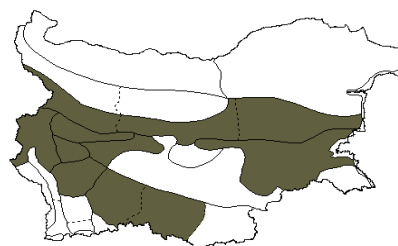


2200

Bal

### *Festuca rubra*

L.



1200

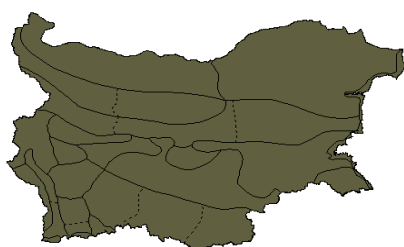


0

Boreal

### *Festuca pratensis*

L.



1500

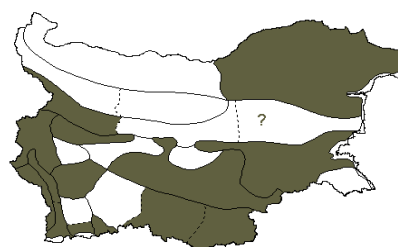


0

Boreal

### *Festuca rupicola*

Heuff.



1200

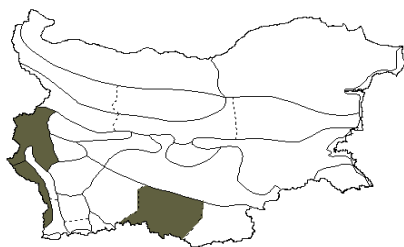


200

Pann-Bal

### *Festuca spectabilis*

Jan.



0

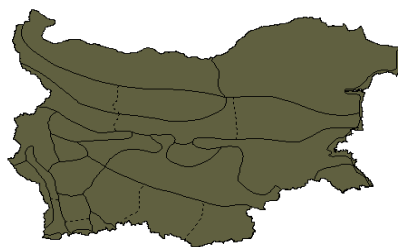


0

SEEur

### *Festuca valesiaca*

Schleich. ex Gaudin



800

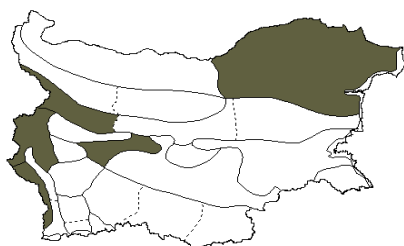


0

Pont

### *Festuca stojanovii*

(Acht.) Kožuharov



1000

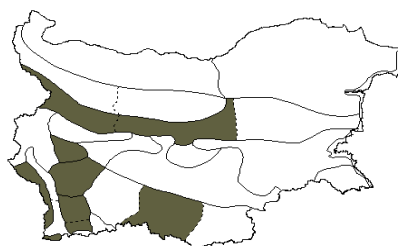


700

Bal

### *Festuca valida*

(Uechtr.) Pénzes



2600

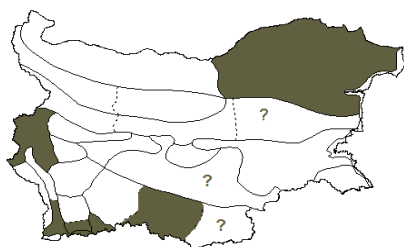


1700

Bal

### *Festuca thracica*

(Acht.) Markgr.-Dann.



800

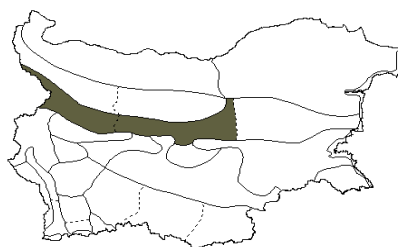


0

Bal

### *Festuca xanthina*

Roem. & Schult.



2900

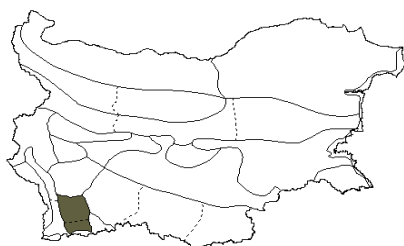


1000

Carp-Bal

### *Festuca trichophylla*

(Duer. ex Gaudin) Richt.



1500

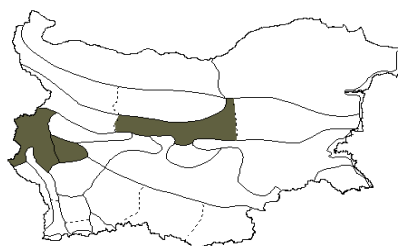


0

Eur

### *Festulolium loliaceum*

(Hudson) P. Fourn.



1000

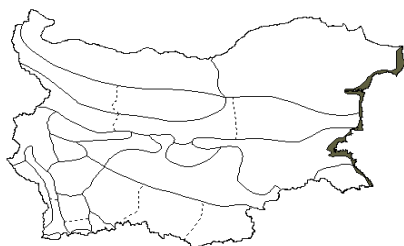


0

Hybr

### *Festuca vaginata*

Waldst. & Kit. ex Willd.



0



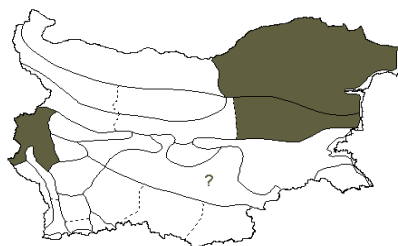
0



SPont

### *Fibigia clypeata*

(L.) Medicus



750

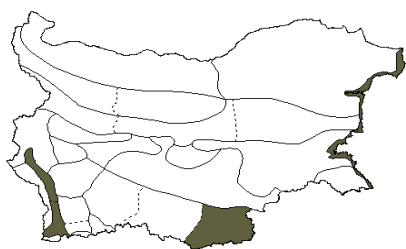


0

Med



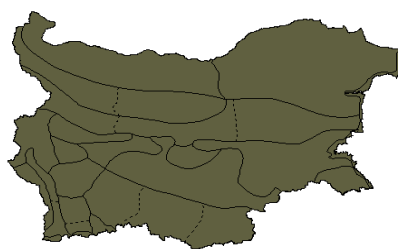
**Ficus carica**  
L.



300  
⇕  
0

Adv (Med)

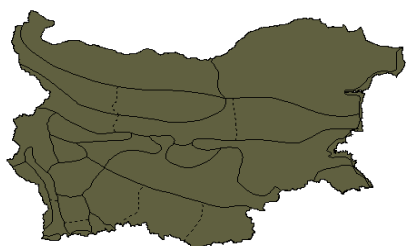
**Filago vulgaris**  
Lam.



2000  
⇕  
0

Eur-As

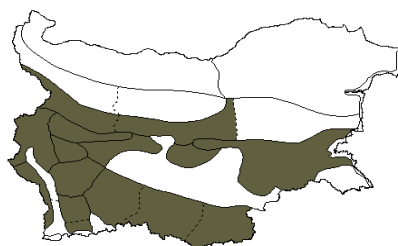
**Filaginella uliginosa**  
(L.) Opiz



2000  
⇕  
0

Boreal

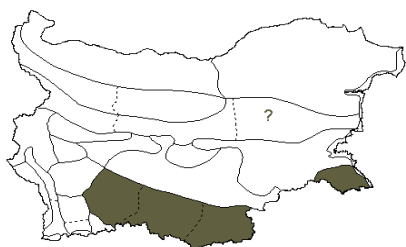
**Filipendula ulmaria**  
(L.) Maxim.



2300  
⇕  
400

subBoreal

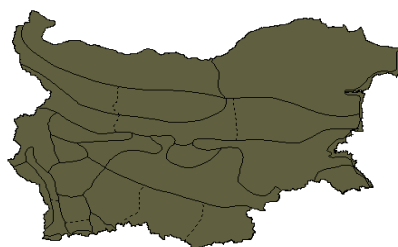
**Filago eriocephala**  
Guss.



1000  
⇕  
0

Boreal

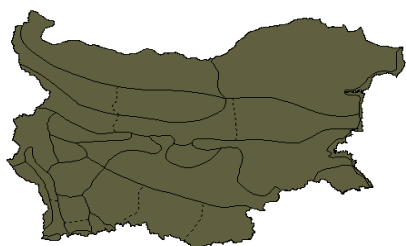
**Filipendula vulgaris**  
Moench



1400  
⇕  
0

Eur-Med

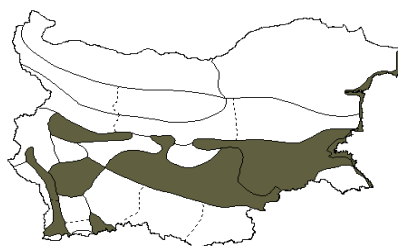
**Filago lutescens**  
Jord.



1800  
⇕  
0

Boreal

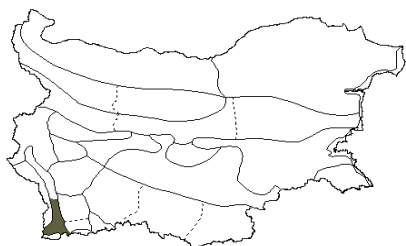
**Fimbristylis bisumbellata**  
(Forssk.) Bubani



500  
⇕  
0

Kos

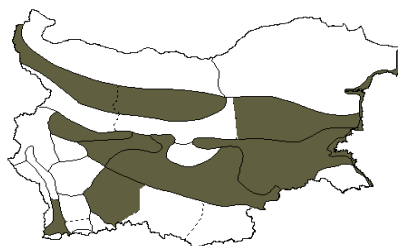
**Filago pyramidata**  
L.



500  
⇕  
0

Eur

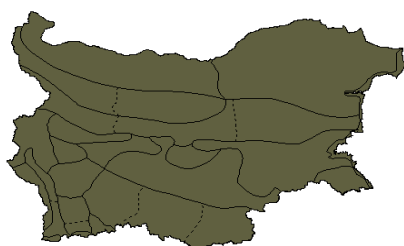
**Foeniculum vulgaris**  
Mill.



800  
⇕  
0

subMed

**Fragaria moschata**  
Duchesne



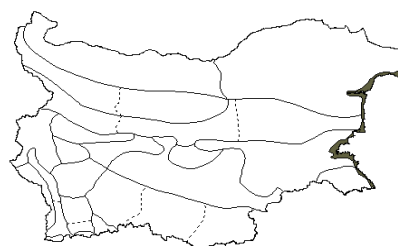
2000



0

Eur-Pont

**Frankenia pulverulenta**  
L.



50



0



Med-Sib

**Fragaria vesca**  
L.



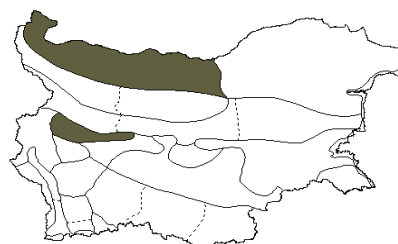
2000



0

subBoreal

**Fraxinus americana**  
L.



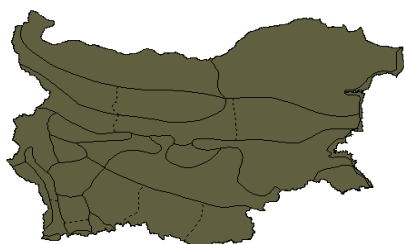
500



0

Adv (NAmeric)

**Fragaria viridis**  
Duchesne



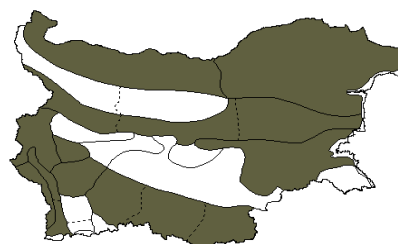
1300



0

Eur-Sib

**Fraxinus excelsior**  
L.



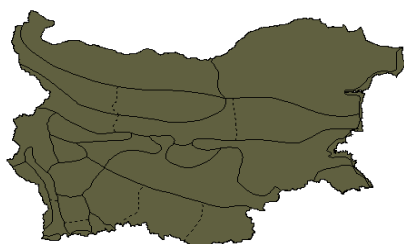
1500



0

Eur-Med

**Frangula alnus**  
Mill.



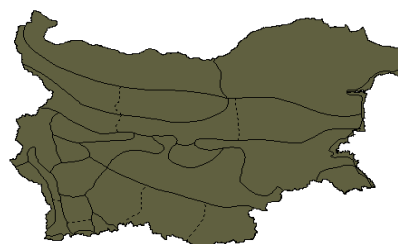
1500



0

subBoreal

**Fraxinus ornus**  
L.



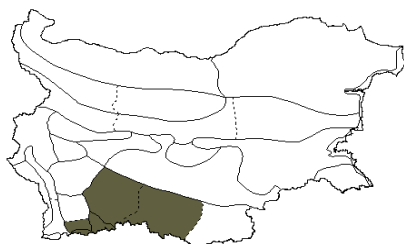
1500



0

subMed

**Frangula rupestris**  
(Scop.) Schur



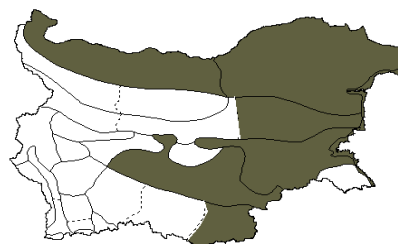
1500



0

Med

**Fraxinus oxycarpa**  
M. Bieb. ex Willd.



300

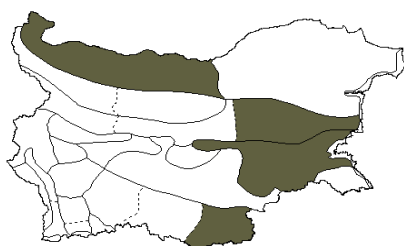


0

Med

### Fraxinus pallisiae

Wilmott



300

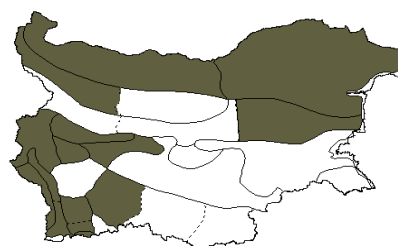


0

Pont-Med

### Fritillaria orientalis

Adams



1400



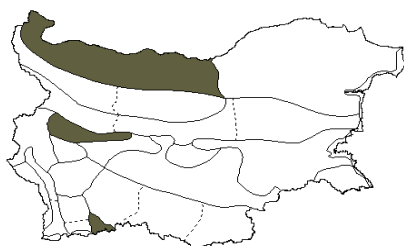
800



subMed

### Fraxinus pennsylvanica

H. Marshall



300

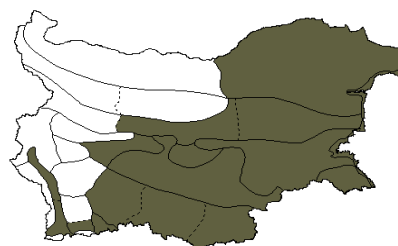


0

Adv (NAme)

### Fritillaria pontica

Wahlenb.



1500



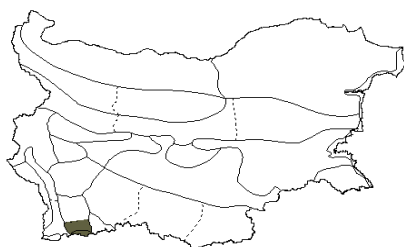
0



Med

### Fritillaria drenovskyi

Degen & Stoj.



1800



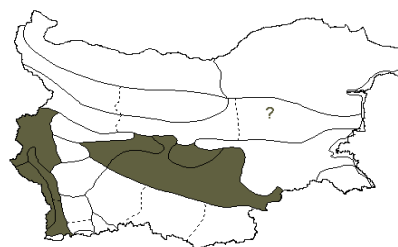
1000



Bal

### Fritillaria skorpilii

Velen.



1500

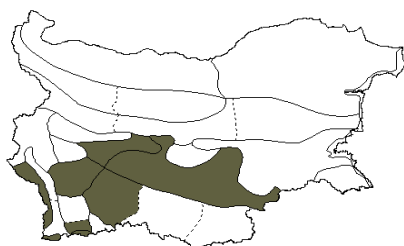


0

Bul

### Fritillaria gussichiae

(Degen & Dörf.) Rix



1500



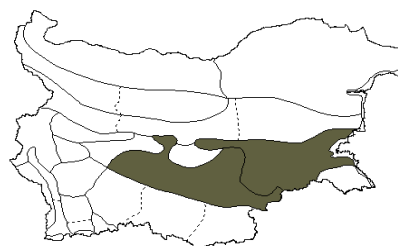
1000



Bal

### Fritillaria sibirnyi

Velen.



1000



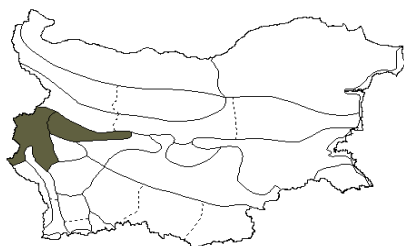
500



Bal

### Fritillaria meleagroides

Patrin ex Schult. f.



700



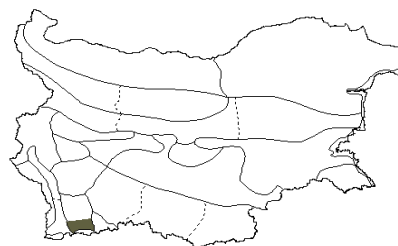
0



Pont-CAs

### Fumana arabica

(L.) Spach



300

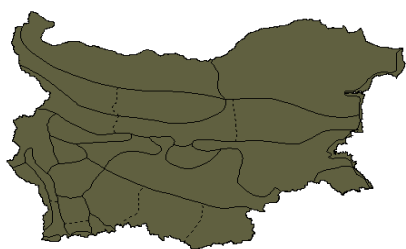


0

Med

### *Fumana procumbens*

(Dunal) Gren. & Godr.



1000

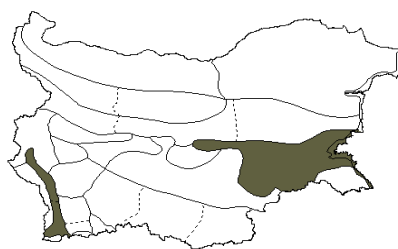


0

Pont-Med

### *Fumaria petteri*

Rchb.



200

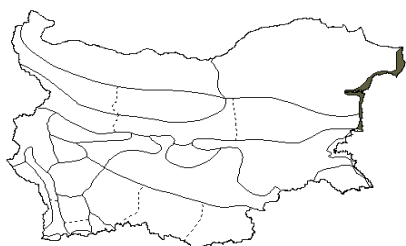


0

Pont-Bal

### *Fumaria densiflora*

DC.



0

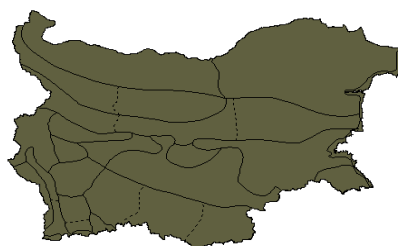


0

Eur-Sib

### *Fumaria rostellata*

Knaf



1000

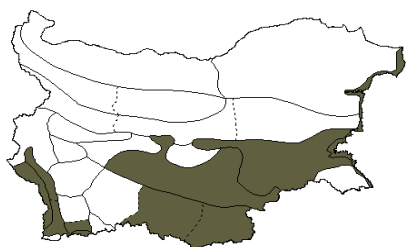


0

Eur-Med

### *Fumaria kralikii*

Jord.



800

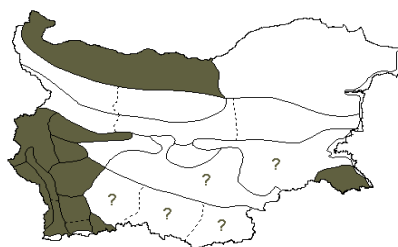


0

subMed

### *Fumaria schleicheri*

Soy.-Will.



800



0

Eur-As

### *Fumaria officinalis*

L.



1000

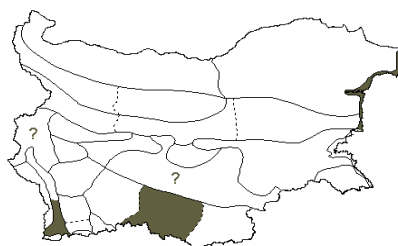


0

Eur-Sib

### *Fumaria schrammii*

(Asch.) Velen.



500

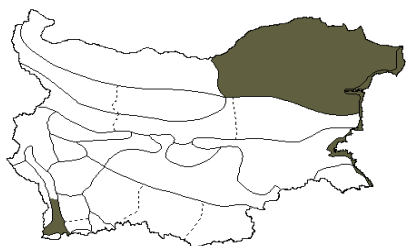


0

Eur-As

### *Fumaria parviflora*

Lam.



500

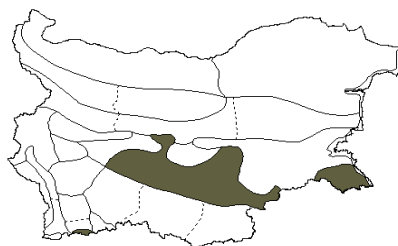


0

Eur-CAfr

### *Fumaria thuretii*

Boiss.



200

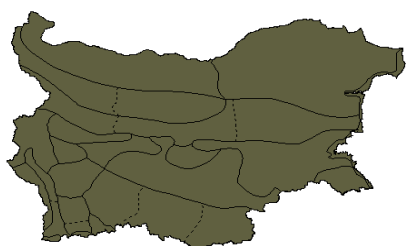


0

Pont-Med

### **Fumaria vaillantii**

Loisel.



1000

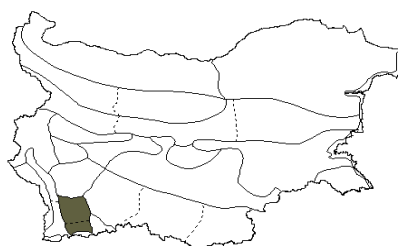


0

Eur-CAs

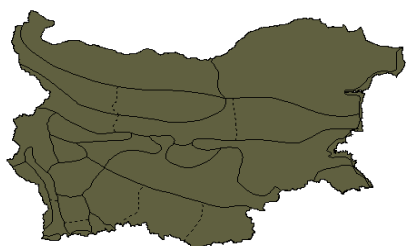
### **Gagea fragifera**

(Vill.) E.Bayer & G.Lo´pez



### **Gagea arvensis**

(Pers.) Dumort.



1500

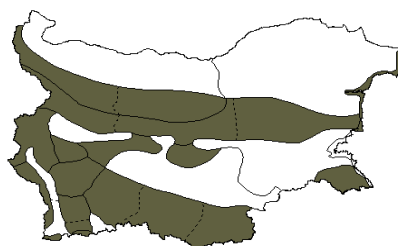


0

Pont-Med

### **Gagea lutea**

(L.) Ker Gawl.



2000

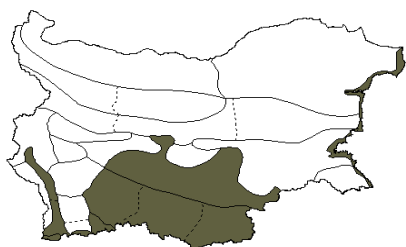


0

Eur-As

### **Gagea bohemica**

(Zauschn.) Schult. & Schult. f.



1000



0

Eur-Pont

### **Gagea minima**

(L.) Ker Gawl.



2900

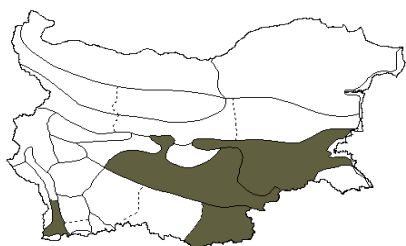


1000

Pont

### **Gagea chrysantha**

(Jan.) Schult. & Schult. f.



300



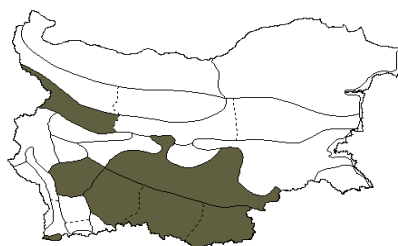
0



Med

### **Gagea peduncularis**

(J. & C. Presl) Pascher



2000

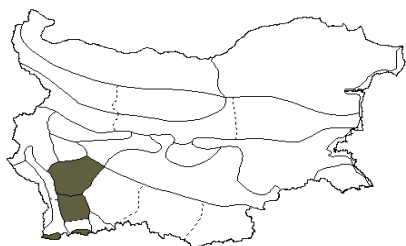


300

Med

### **Gagea fistulosa**

(Ramond ex DC.) Ker Gawl.



2900



1000

subMed

### **Gagea pratensis**

(Pers.) Dumort.



2000

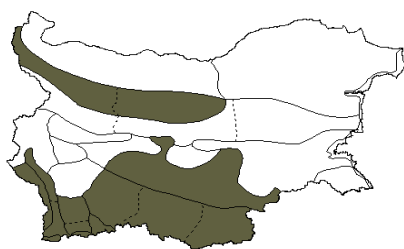


0

Eur

### *Gagea pusilla*

(F. W. Schmidt) Schult. & Schult. f.



1000

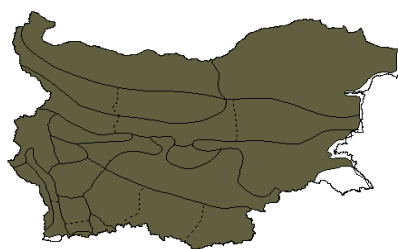


0

Pont

### *Galanthus elwesii*

Hook. f.



1500



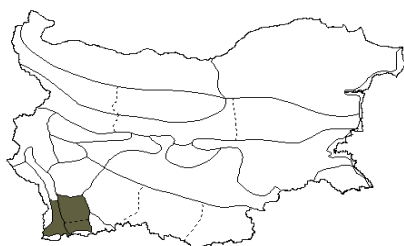
0



Eur

### *Gagea reticulata*

(Pall.) Schult. & Schult. f.



1000

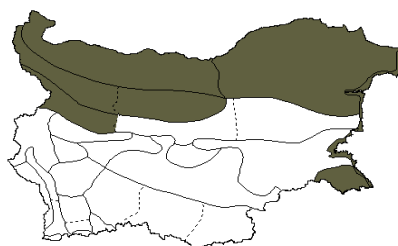


0

Pont

### *Galanthus nivalis*

L.



1500



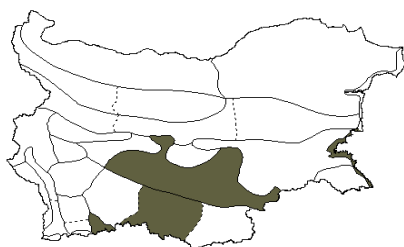
0



Eur

### *Gagea saxatilis*

(Mert & Koch) Schult. et Schult. f.



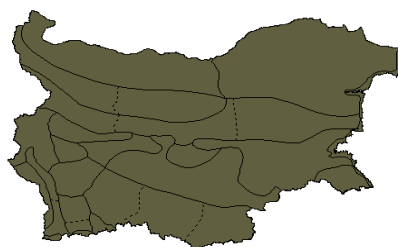
300



0

### *Galega officinalis*

L.



1300

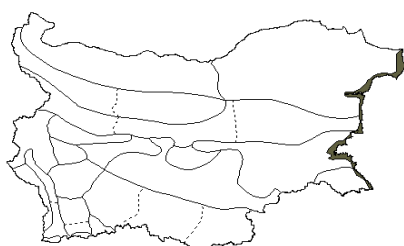


0

Pont-Med

### *Gagea taurica*

Steven



200

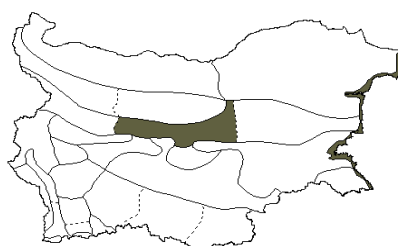


0

Pont

### *Galeopsis angustifolia*

Ehrh. ex Hoffm.



1000

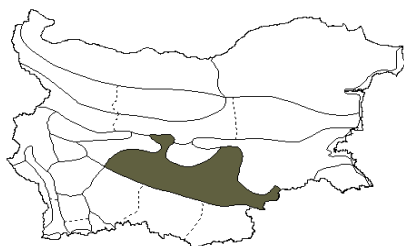


0

Eur

### *Gagea villosa*

(M. Bieb.) Duby



1000

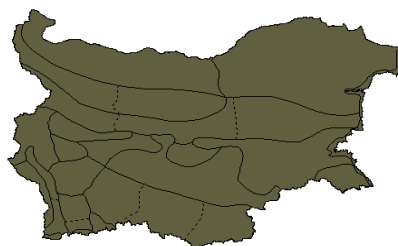


0

Eur-As

### *Galeopsis bifida*

Boenn.



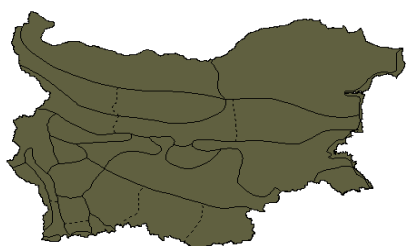
2000



0

Eur-As

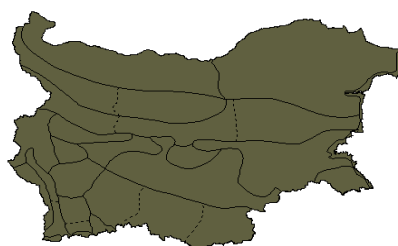
**Galeopsis ladanum**  
L.



1600  
⇕  
0

Eur-As

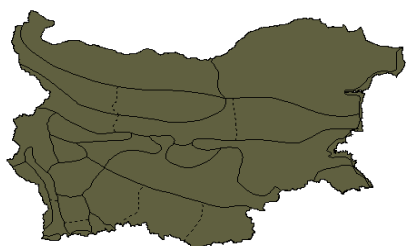
**Galinsoga parviflora**  
Cav.



1000  
⇕  
0

Adv (SAm)

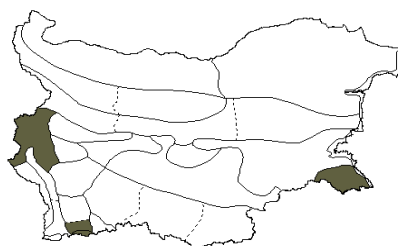
**Galeopsis speciosa**  
Mill.



2000  
⇕  
0

Eur-As

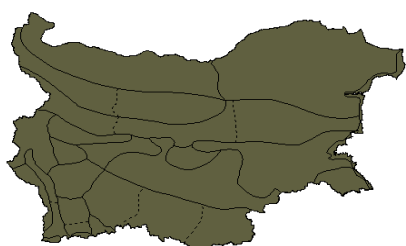
**Galium aegaeum**  
(Stoj. & Kitanov) Ančev



1100  
⇕  
0

Bal

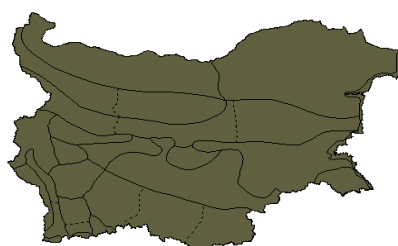
**Galeopsis tetrahit**  
L.



2000  
⇕  
0

Eur-As

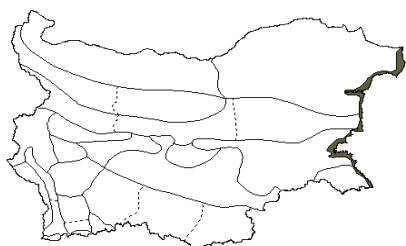
**Galium album**  
Mill.



2000  
⇕  
0

Eur-As

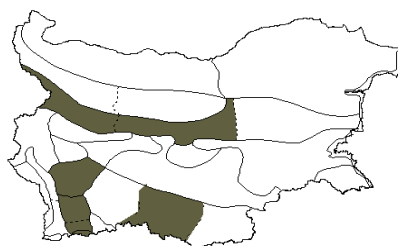
**Galilea mucronata**  
(L.) Parl.



0  
⇕  
0

Med

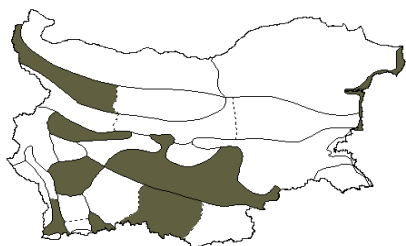
**Galium anisophyllum**  
Vill.



2900  
⇕  
1600

Alp-Carp

**Galinsoga ciliata**  
(Raf.) S. F. Blake



1000  
⇕  
0

Adv (SAm)

**Galium aparine**  
L.

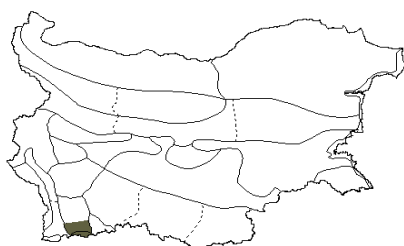


1500  
⇕  
0

Eur-As

### **Galium asparagifolium**

Boiss. & Heldr.



900

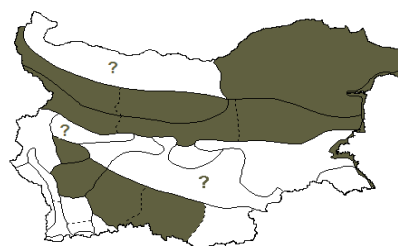


600

Bal-Anat

### **Galium elongatum**

C. Presl



1200

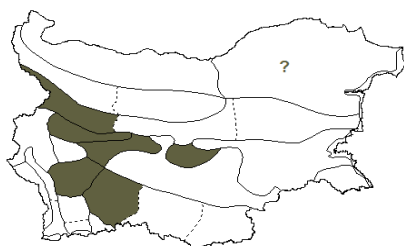


0

subMed

### **Galium boreale**

L.



1700

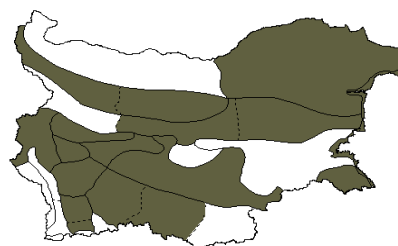


900

Boreal

### **Galium flavescens**

Borbás



1200

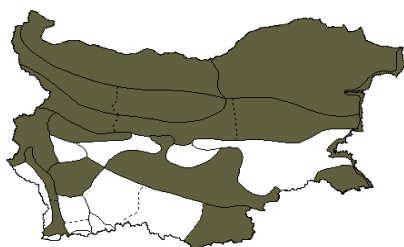


300

Bal-Dac

### **Galium debile**

Desv.



900

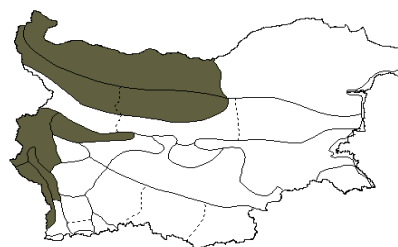


0

subMed

### **Galium glaucum**

L.



900

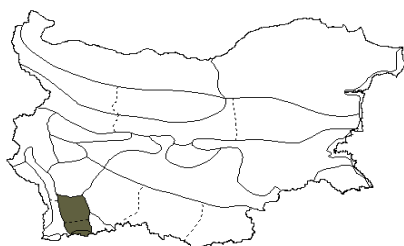


200

subMed

### **Galium demissum**

Boiss.



2700



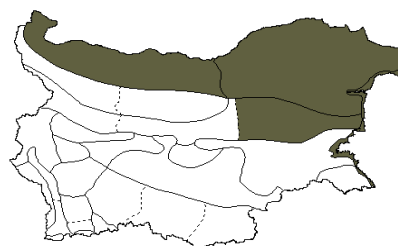
2100



Bal-Anat

### **Galium humifusum**

M. Bieb.



500



0

Eur-Med

### **Galium divaricatum**

Pourret ex Lam.



1500

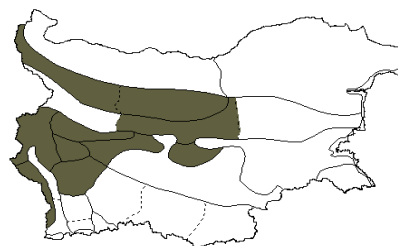


0

Med

### **Galium intermedium**

Mérat



1600



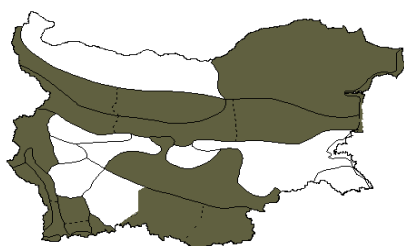
500

subMed



### **Galium lovcense**

Urum.



2000

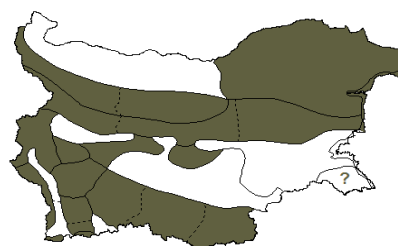


200

Bal-Anat

### **Galium odoratum**

(L.) Scop.



1700

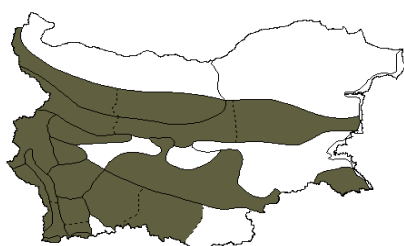


0

Eur-As

### **Galium lucidum**

All.



1500

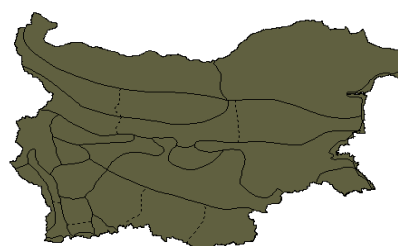


200

subMed

### **Galium palustre**

L.



1900

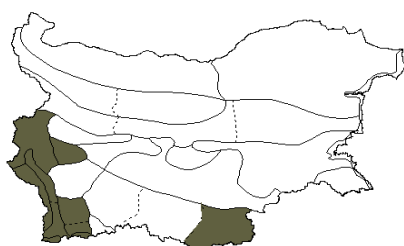


0

Boreal

### **Galium macedonicum**

Krendl



1200

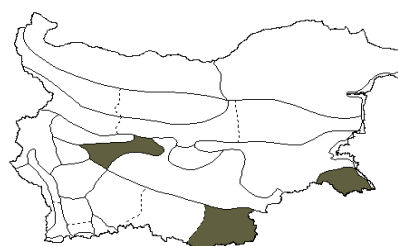


400

Bal

### **Galium parisiense**

L.



500

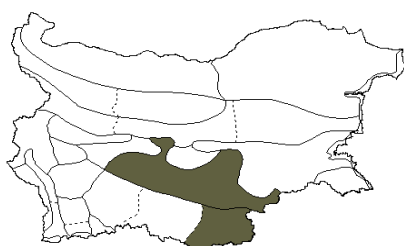


250

Eur-Med

### **Galium mirum**

Rech. f.



1000

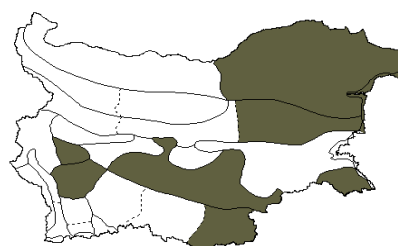


250

Bal

### **Galium paschale**

Forssk.



900

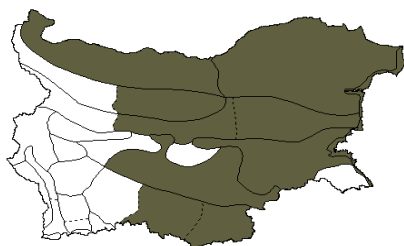


0

Bal-Anat

### **Galium octonarium**

(Klokov) S6o



900

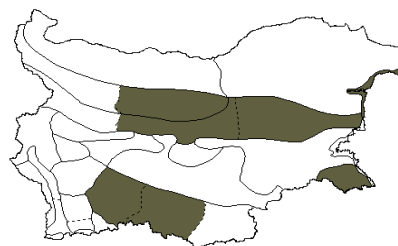


0

Med-CAs

### **Galium pomeranicum**

Retz.



1500

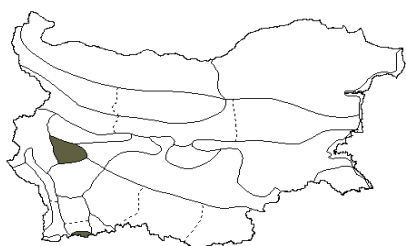


0

Hybr

### **Galium procurrens**

Ehrend.



1400



650



Bal

### **Galium rotundifolium**

L.



1700



600

subMed

### **Galium pseudoaristatum**

Schur



1300

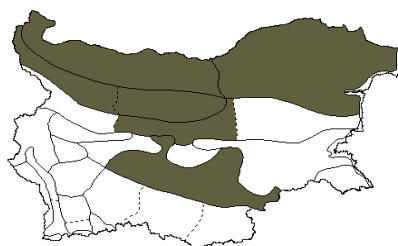


150

Pann-Bal

### **Galium rubioides**

L.



500



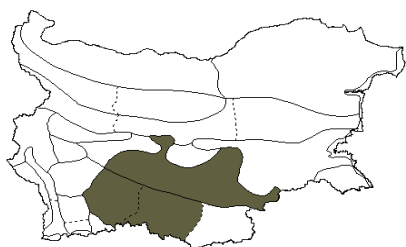
200



Eur

### **Galium rhodopeum**

Velen.



1450



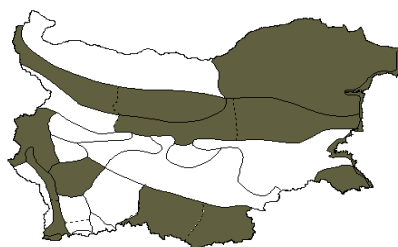
300



Bal

### **Galium spurium**

L.



1000

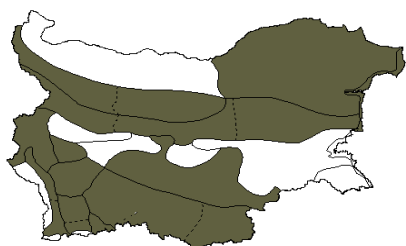


0

Eur-As

### **Galium rigidifolium**

Krendl



1200

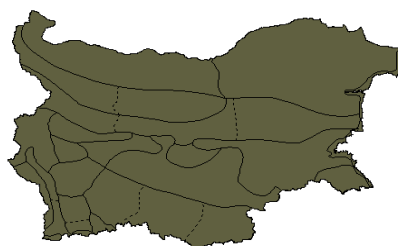


300

Bal

### **Galium tenuissimum**

M. Bieb.



1000



0

Pont-CAs

### **Galium rivale**

(Sm.) Griseb.



1500

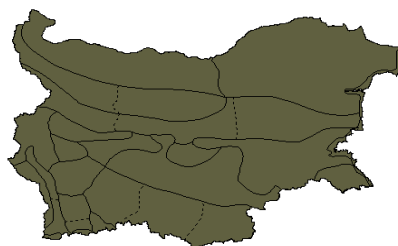


0

Pont-Sib

### **Galium tricornutum**

Dandy



700



0

Eur-As

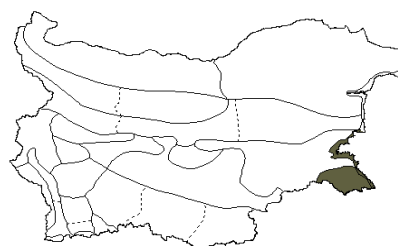
**Galium uliginosum**  
L.



1500  
⇕  
500

Eur-As

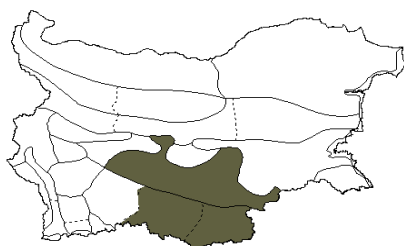
**Gastridium ventricosum**  
(Gouan) Schinz & Thell.



300  
⇕  
0

subMed

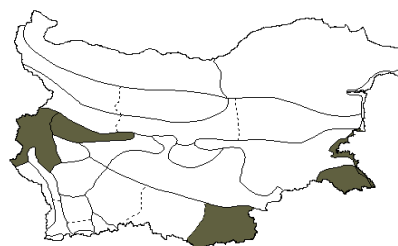
**Galium velenovskyi**  
Ančev



600  
⇕  
250

Bul

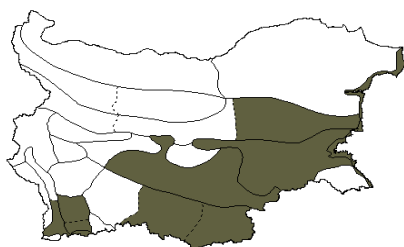
**Gaudinia fragilis**  
(L.) P. Beauv.



300  
⇕  
0

Med

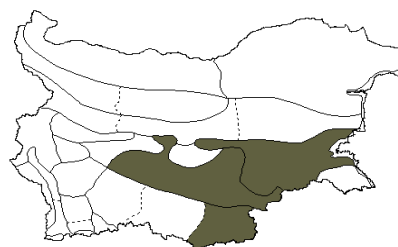
**Galium verticillatum**  
Danth. ex Lam.



1400  
⇕  
0

Med-As

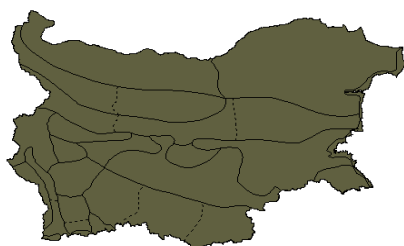
**Genista anatolica**  
Boiss.



300  
⇕  
0

Bal-Anat

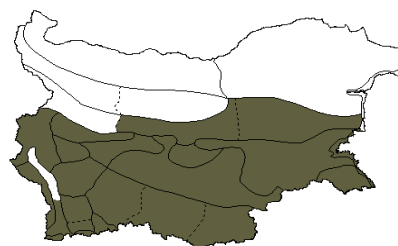
**Galium verum**  
L.



1700  
⇕  
0

Eur-As

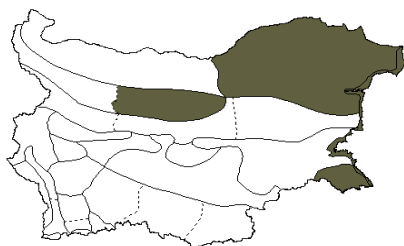
**Genista carinalis**  
Griseb.



2000  
⇕  
500

Bal-Anat

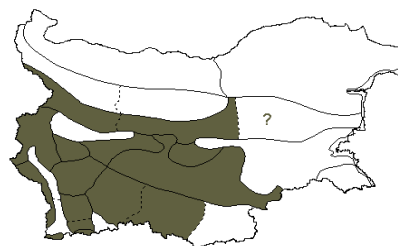
**Galium volhynicum**  
Pobed.



500  
⇕  
0

Pont

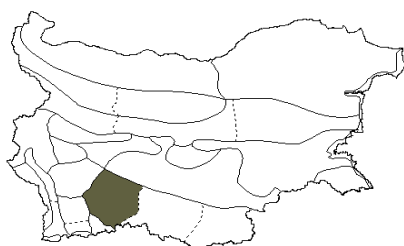
**Genista depressa**  
M. Bieb.



2900  
⇕  
300

subMed

### Genista germanica L.



1600

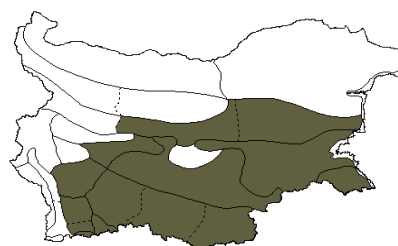


0



Eur

### Genista rumelica Velen.



1500



0

Bal

### Genista januensis Viv.



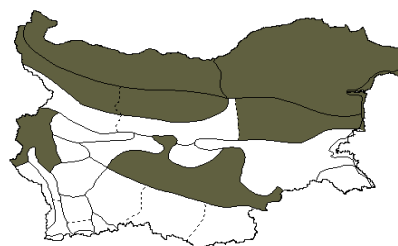
1600



0

subMed

### Genista sessilifolia DC.



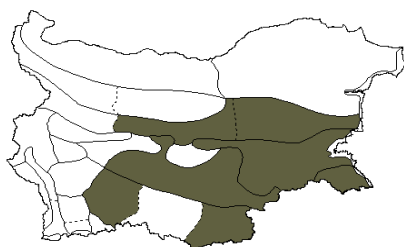
1000



0

subMed

### Genista lydia Boiss.



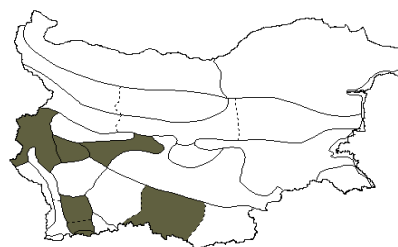
900



100

Bal-Anat

### Genista subcapitata Pančić



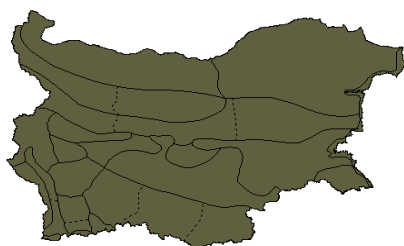
2600



500

Bal

### Genista ovata Waldst. & Kit.



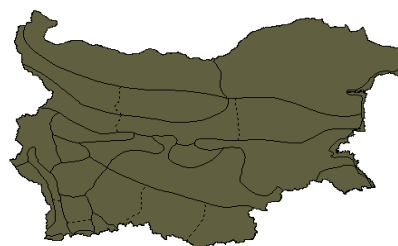
1500



0

Eur

### Genista tinctoria L.



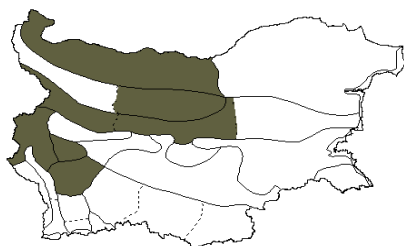
1500



0

Eur-Sib

### Genista pilosa L.



2000

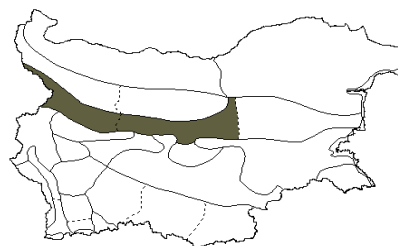


500



Eur

### Gentiana acaulis L.



2900

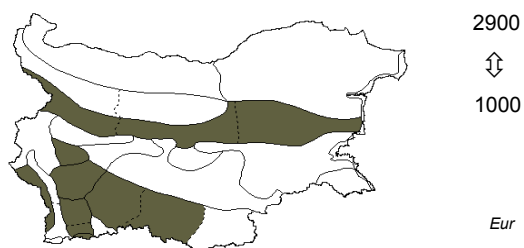


1400

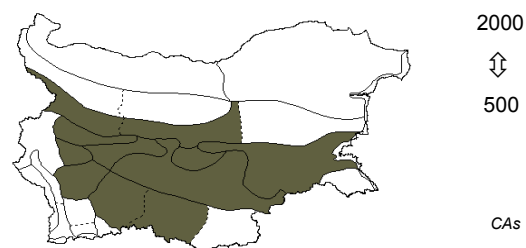


Eur

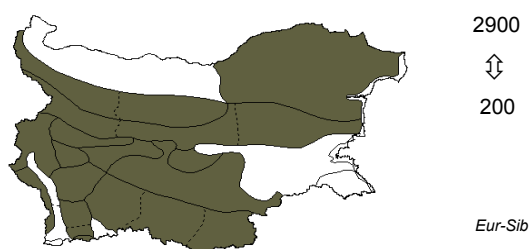
### *Gentiana asclepiadea* L.



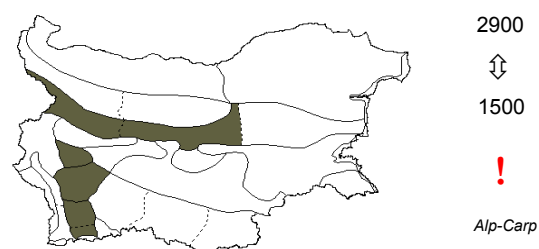
### *Gentiana pneumonanthe* L.



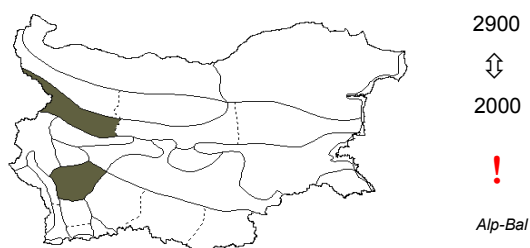
### *Gentiana cruciata* L.



### *Gentiana punctata* L.



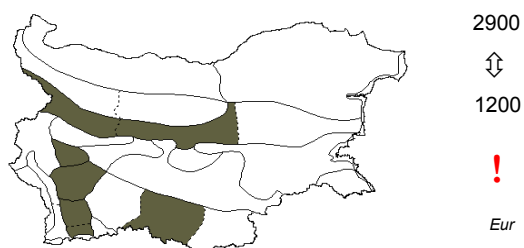
### *Gentiana frigida* Haenke



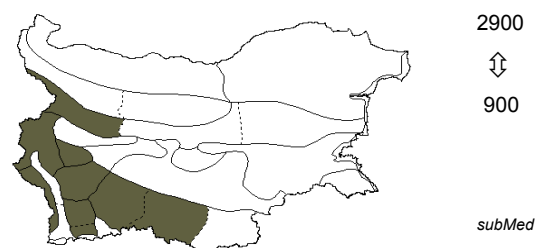
### *Gentiana pyrenaica* L.



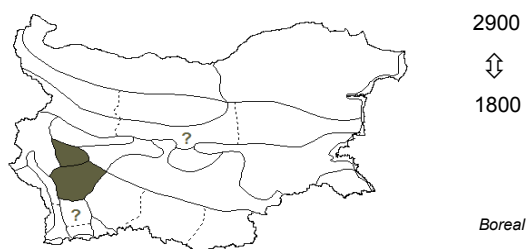
### *Gentiana lutea* L.



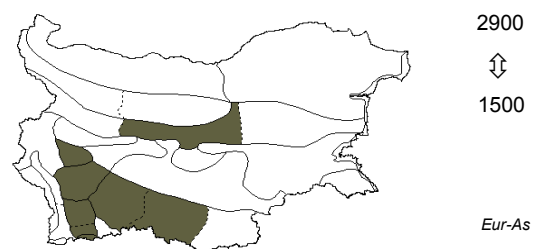
### *Gentiana utriculosa* L.



### *Gentiana nivalis* L.

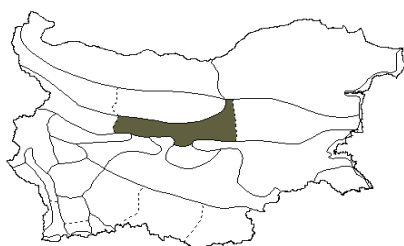


### *Gentiana verna* L.



### **Gentianella amarella**

(L.) Börner



2900



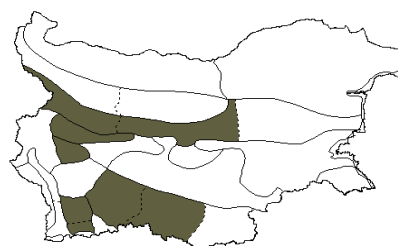
1800



Eur

### **Gentianella germanica**

(Willd.) Börner



2900

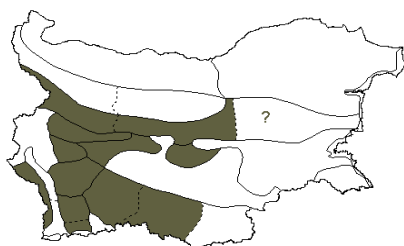


1500

Eur

### **Gentianella bulgarica**

(Velen.) Holub



2500

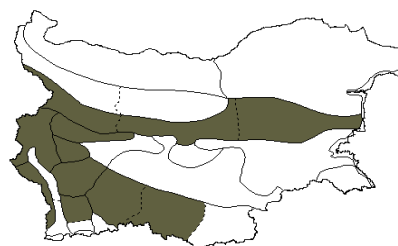


800

Pont

### **Gentianella lutescens**

(Velen.) Holub



2900

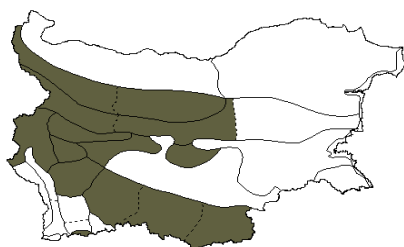


1000

subMed

### **Gentianella ciliata**

(L.) Borkh.



2000

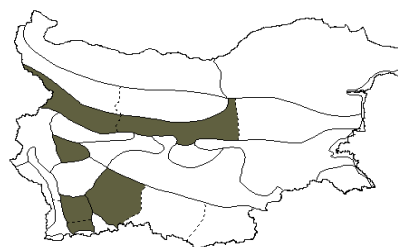


800

subMed

### **Gentianella praecox**

(A. & J. Kern.) Dostál



2900

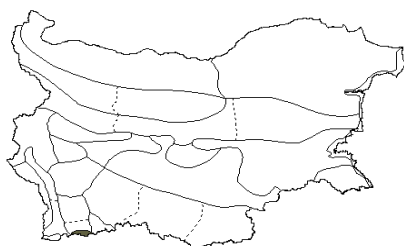


1500

Eur

### **Gentianella crispata**

(Vis.) Holub



2000



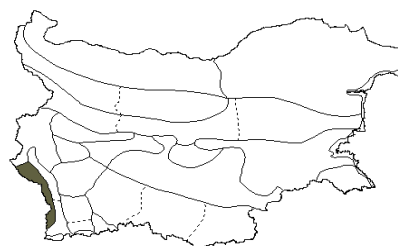
1500



Med

### **Geranium aristatum**

Freyn. & Sint.



1500



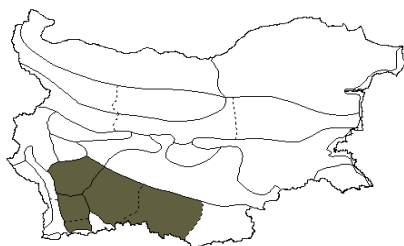
1000



Bal

### **Gentianella engadinensis**

(Wettst.) Holub



2900



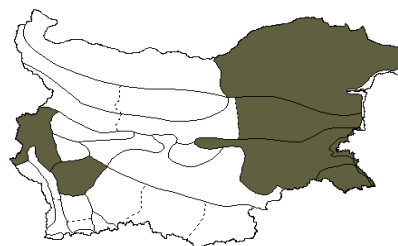
1500



subMed

### **Geranium asphodeloides**

Burm.



1000

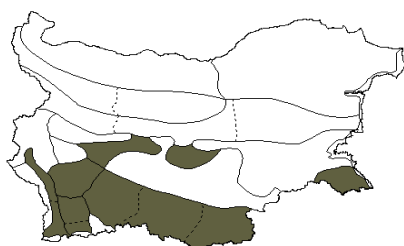


0

subMed

### Geranium bohemicum

L.



1500



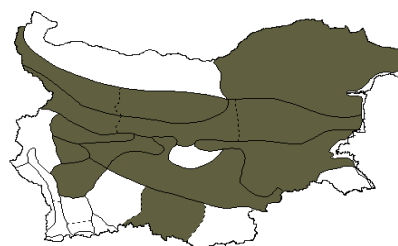
0



subMed

### Geranium divaricatum

Ehrh.



1300

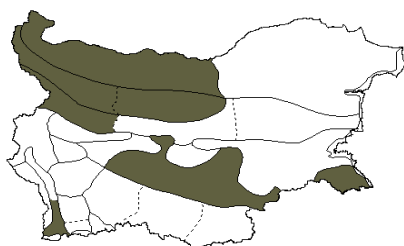


0

Eur-As

### Geranium brutium

Gasp.



1000

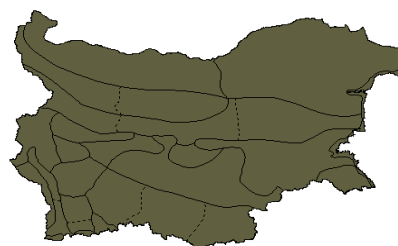


0

Med

### Geranium lucidum

L.



1500

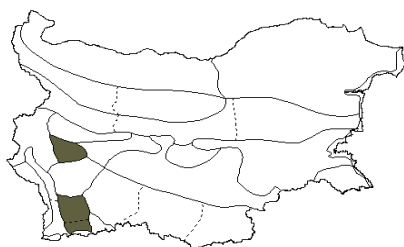


0

Eur-As

### Geranium coeruleum

Schur



2500

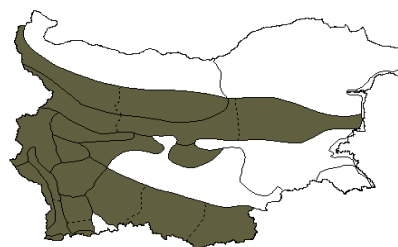


1700

Carp-Bal

### Geranium macrorrhizum

L.



2500

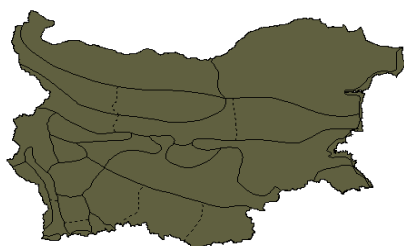


300

Eur-Med

### Geranium columbinum

L.



700

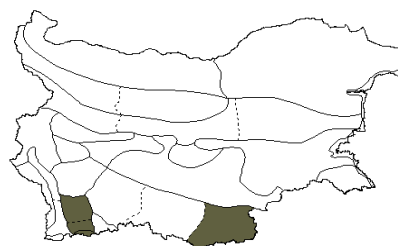


0

subMed

### Geranium macrostylum

Boiss.



1500



300



subMed

### Geranium dissectum

L.



1500

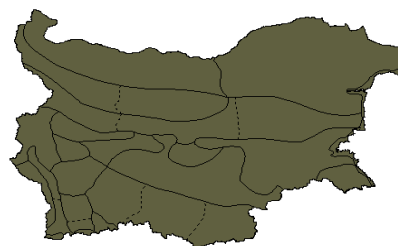


0

Eur-As

### Geranium molle

L.



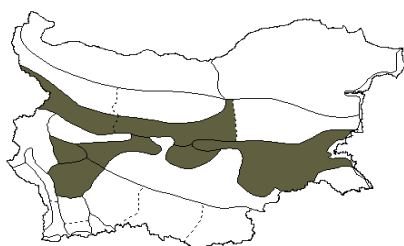
2000



0

Eur-Med

### Geranium palustre L.



1500

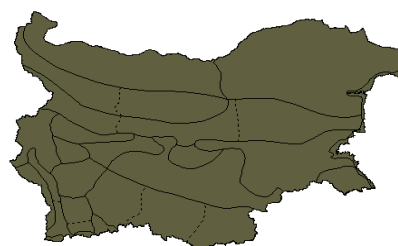


300



Eur-Med

### Geranium pyrenaicum Burm. f.



2000



0

subMed

### Geranium phaeum L.



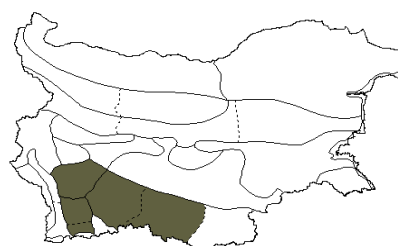
1800



100

Eur

### Geranium reflexum L.



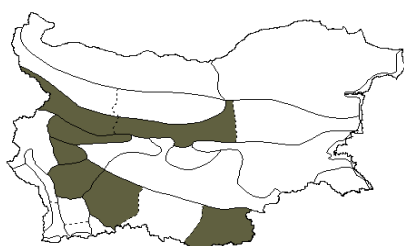
1800



300

Ap-Bal

### Geranium pratense L.



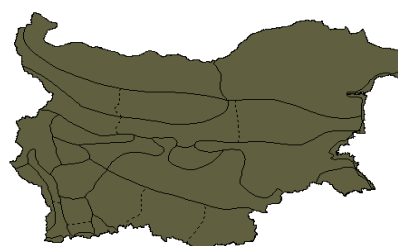
1500



700

Eur-Med

### Geranium robertianum L.



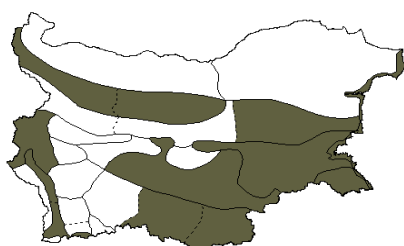
2000



0

subBoreal

### Geranium purpureum Vill.



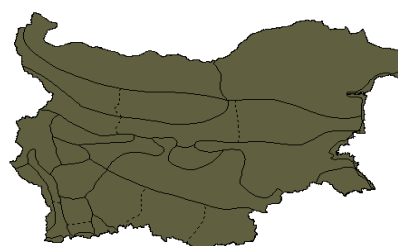
500



0

Med

### Geranium rotundifolium L.



1000



0

Eur-As

### Geranium pusillum L.



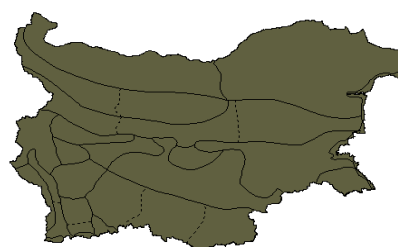
1500



0

Eur-Med

### Geranium sanguineum L.



1700

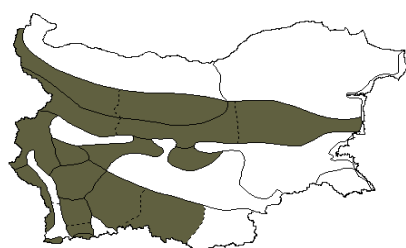


0

Eur



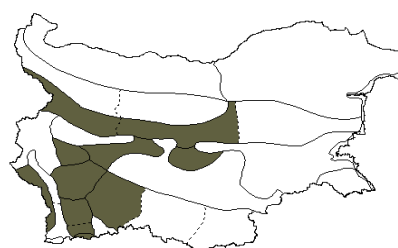
# **Geranium sylvaticum** L.



2200  
⇕  
1000

Boreal

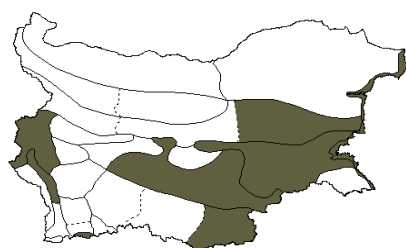
# **Geum montanum** L.



2700  
⇕  
1600

Alp-Carp-Bal

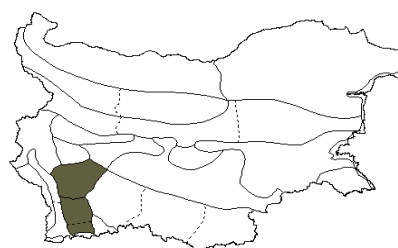
# **Geranium tuberosum** L.



800  
⇕  
0

subMed

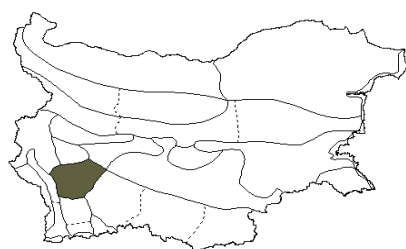
# **Geum reptans** L.



2900  
⇕  
2300

Alp-Carp-Bal

# **Geum bulgaricum** Pančić

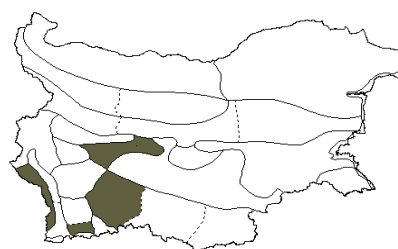


2800  
⇕  
2000

!

Bal

# **Geum rhodopaeum** Stoj. & Stef.

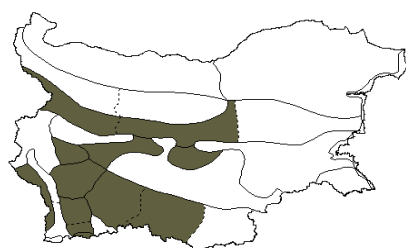


1500  
⇕  
1200

!

Bal

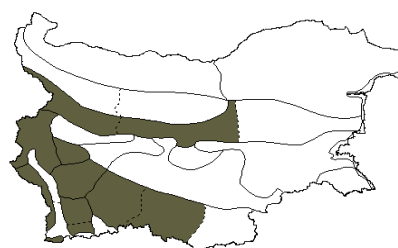
# **Geum coccineum** Sm.



2300  
⇕  
900

subMed

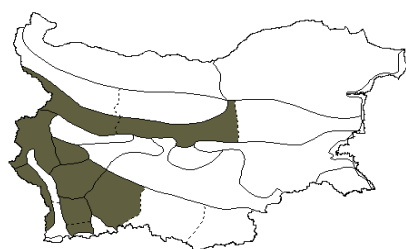
# **Geum rivale** L.



2100  
⇕  
1200

subBoreal

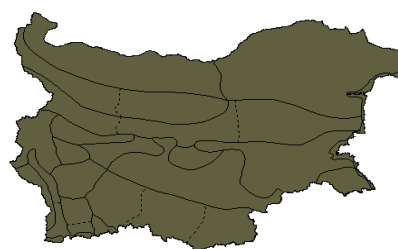
# **Geum molle** Vis. & Pančić



1800  
⇕  
1000

Ap-Bal

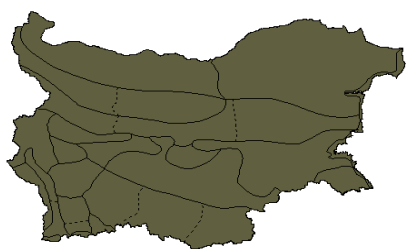
# **Geum urbanum** L.



1500  
⇕  
200

subBoreal

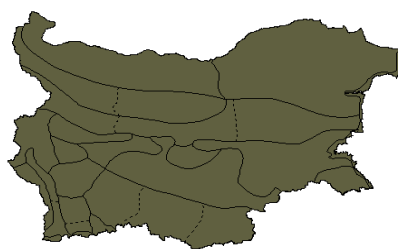
**Gladiolus communis**  
L.



1500  
⇕  
0

Med

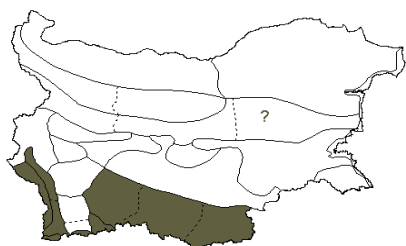
**Glaucium corniculatum**  
(L.) Rudolph



1000  
⇕  
0

Eur-As

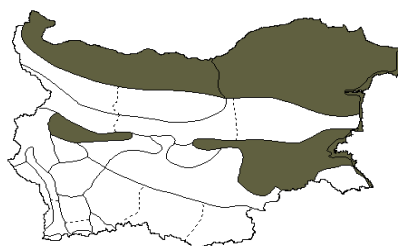
**Gladiolus illyricus**  
Koch



1500  
⇕  
0

Med-OT

**Glaucium flavum**  
Crantz



150  
⇕  
0

Eur

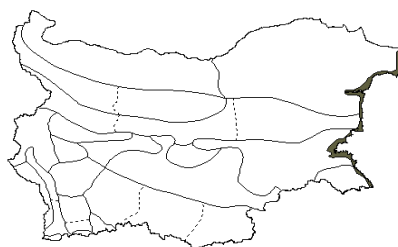
**Gladiolus imbricatus**  
L.



2500  
⇕  
0

Eur-subMed

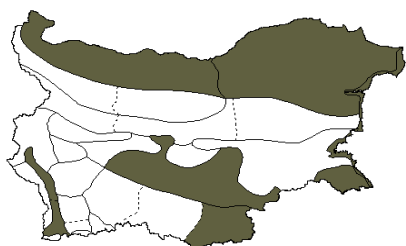
**Glaucium leiocarpum**  
Boiss.



100  
⇕  
0

Med

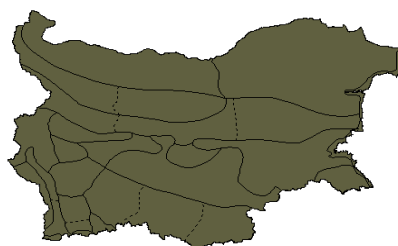
**Gladiolus italicus**  
Mill.



1000  
⇕  
0

Med

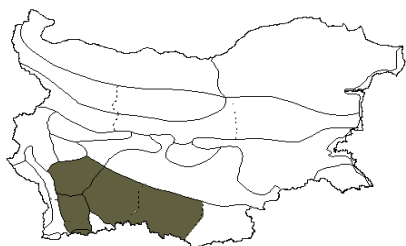
**Glechoma hederacea**  
L.



1000  
⇕  
0

Eur-As

**Gladiolus palustris**  
Gaudin



1500  
⇕  
0

!

subMed

**Glechoma hirsuta**  
Waldst. & Kit.

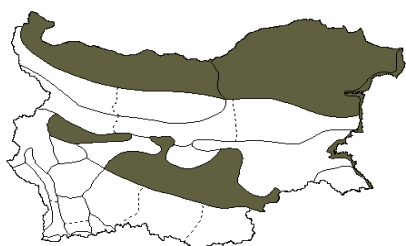


1000  
⇕  
0

Eur-Med

### **Gleditsia triacanthos**

L.



1000

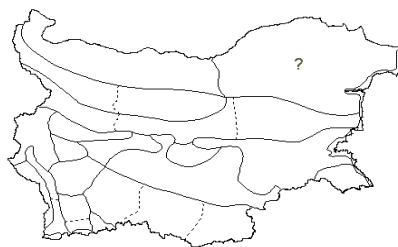


0

Adv (NAm)

### **Globularia trichosantha**

Fisch. & C. A. Mey.



400

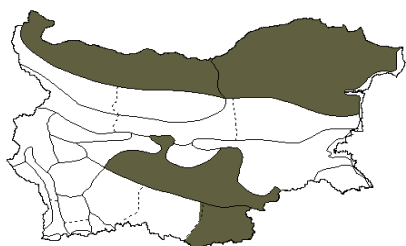


0



### **Glinus lotoides**

L.



200

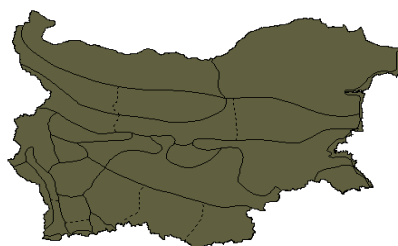


0

Med-CAs

### **Glyceria arundinacea**

Kunth



1000

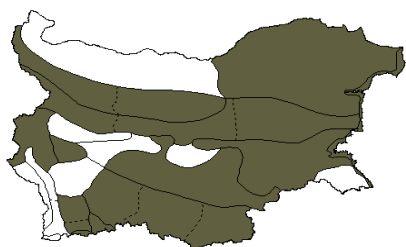


0

subBoreal

### **Globularia aphyllanthes**

Crantz



2200

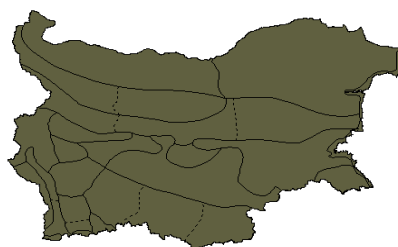


0

Eur

### **Glyceria fluitans**

(L.) R. Br.



1000

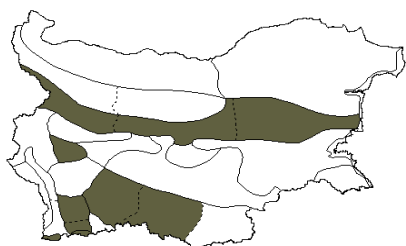


0

Kos

### **Globularia cordifolia**

L.



2800

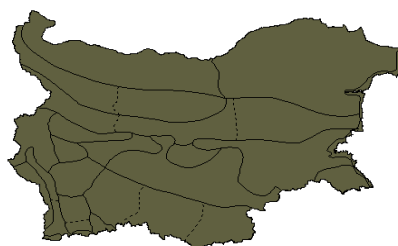


300

Alp-Carp-Anat

### **Glyceria maxima**

(Hartm.) Holmb.



1000



0

Boreal

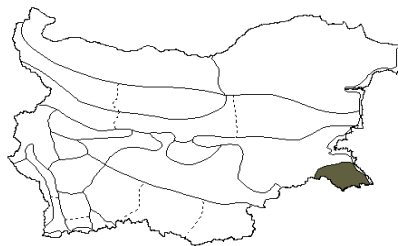
### **Globularia meridionalis**

(Podp.) Schwarz



### **Glyceria nemoralis**

(Uechtr.) Uechtr. & Körn.



300



0

CEur

### *Glyceria plicata*

(Fr.) Fr.



1500

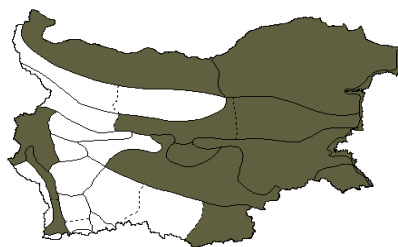


0

Kos

### *Goniolimon collinum*

(Griseb.) Boiss.



500



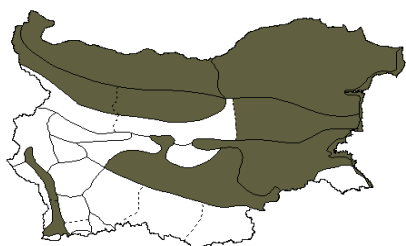
0



Pont

### *Glycyrrhiza echinata*

L.



300

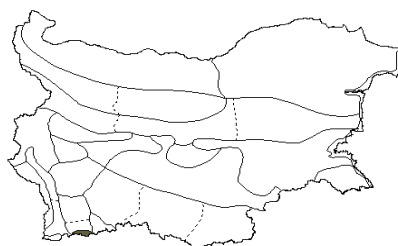


0

subMed

### *Goniolimon dalmaticum*

(C. Presl) Rchb. f.



1500



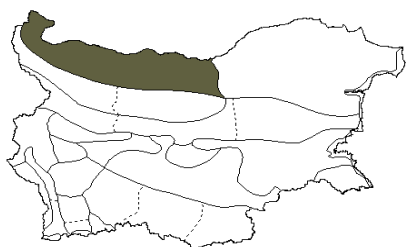
1000



Bal

### *Glycyrrhiza glabra*

L.



200



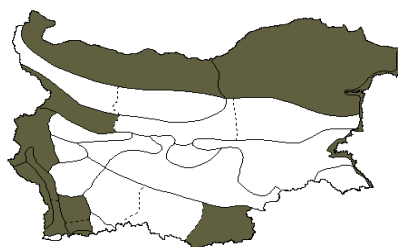
0



Adv (Med)

### *Goniolimon tataricum*

(L.) Boiss.



1000



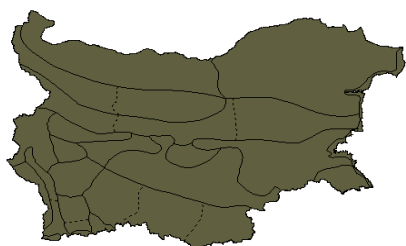
0



Pont-Med

### *Gnaphalium luteo-album*

L.



1000

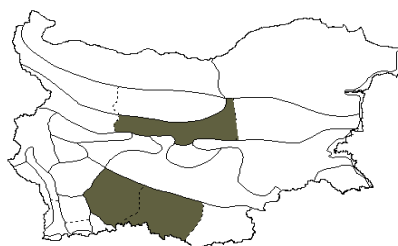


0

Kos

### *Goodyera repens*

(L.) R. Br.



1500



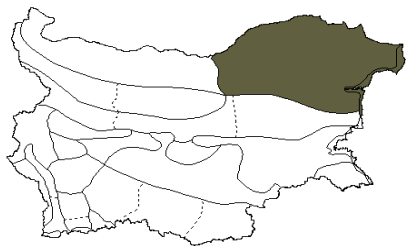
900



Boreal

### *Goniolimon besseranum*

(Schult. ex Rchb.) Kusn.



200



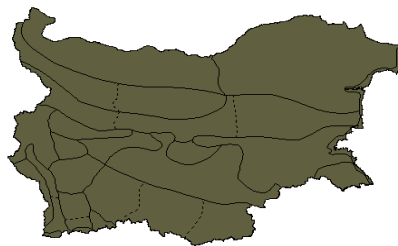
0



Pont

### *Gratiola officinalis*

L.



1000

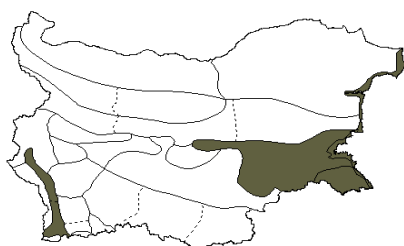


0

Eur-Med

### Groenlandia densa

(L.) Fourr.



300



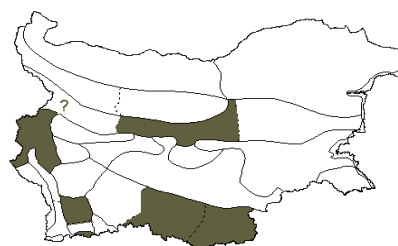
0



Eur-SAs

### Gymnocarpium robertianum

(Hoffm.) Newman



2300

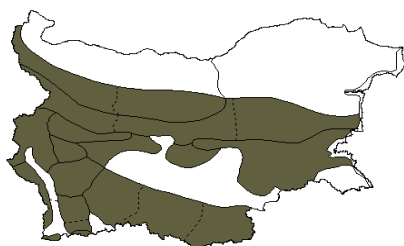


0

subBoreal

### Gymnadenia conopsea

(L.) R. Br.



2200

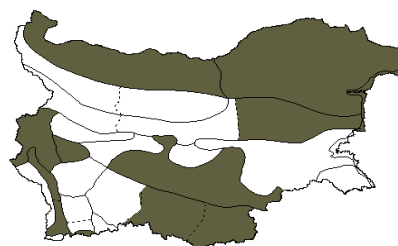


0

Eur-As

### Gypsophila glomerata

Pall. ex M. Bieb.



1000

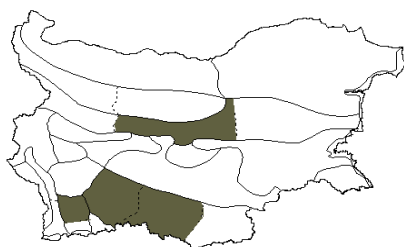


0

subMed

### Gymnadenia densiflora

(Wahllenb.) A. Dietr.



2000

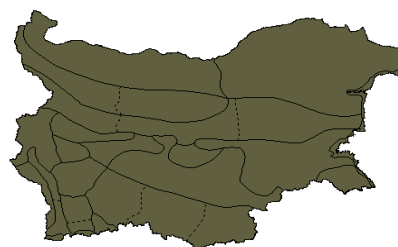


500

Eur

### Gypsophila muralis

L.



1500

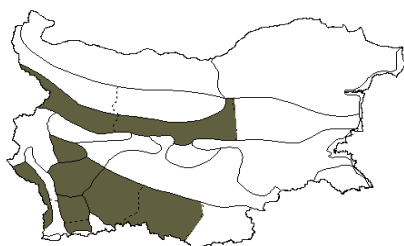


0

Eur-As

### Gymnadenia frivaldii

Hampe ex Griseb.



2400

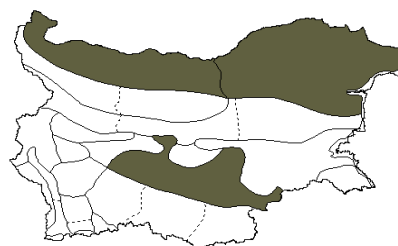


1200

Carp-Bal

### Gypsophila paniculata

L.



500



0

Eur-As

### Gymnocarpium dryopteris

(L.) Newman



2500

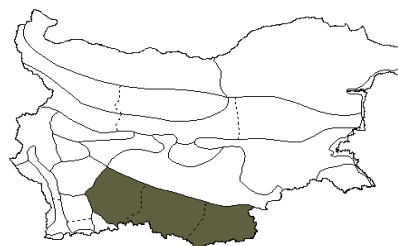


600

Boreal

### Gypsophila petraea

(Baumg.) Rchb.



2900

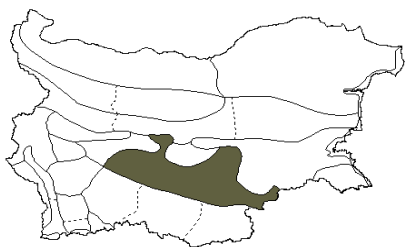


1800

Carp

### *Gypsophila tekirae*

Stef.



400



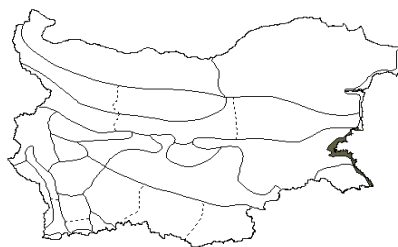
0



Bul

### *Halimione portulacoides*

(L.) Aellen



50



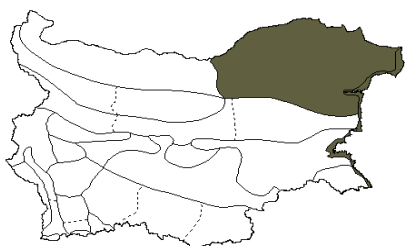
0



Eur-As

### *Gypsophila trichotoma*

Wend.



100



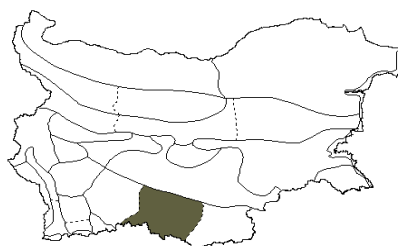
0



Eur-As

### *Hammarbya paludosa*

(L.) Kuntze



1400



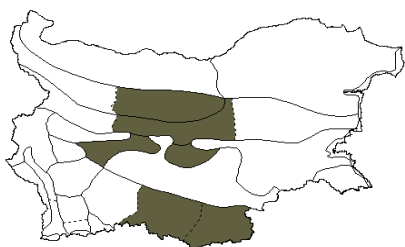
0



Eur-As

### *Haberlea rhodopensis*

Friv.



2000



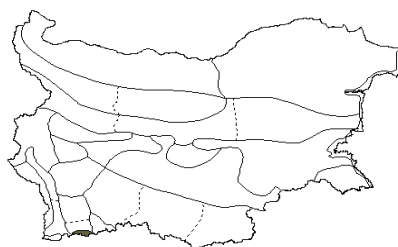
200



Bal

### *Haplophyllum balcanicum*

Vandas



2900



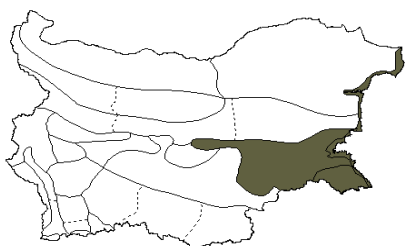
1000



Bal

### *Hainardia cyllindrica*

(Willd.) Greuter



100

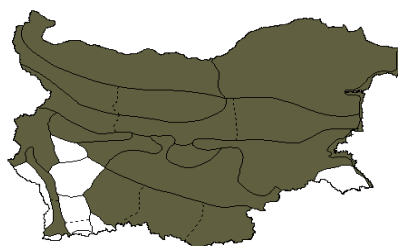


0

Med

### *Haplophyllum suaveolens*

(DC.) G. Don



1200

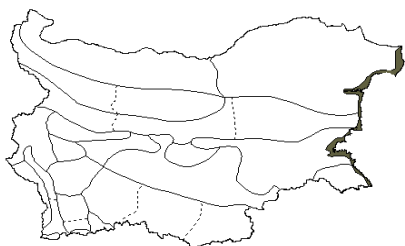


0

Med

### *Halimione pedunculata*

(L.) Aellen



50



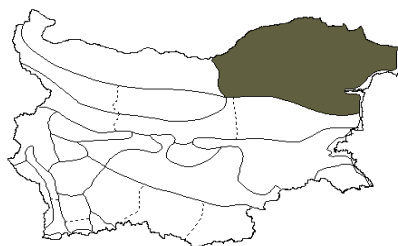
0



Eur-As

### *Haplophyllum thesioides*

(Fisch.ex DC.) G. Don



400

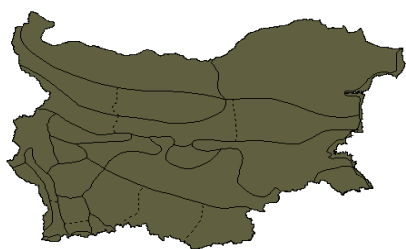


0



Med

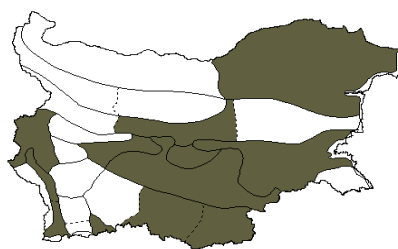
**Hedera helix**  
L.



1800  
⇕  
0

Eur-As

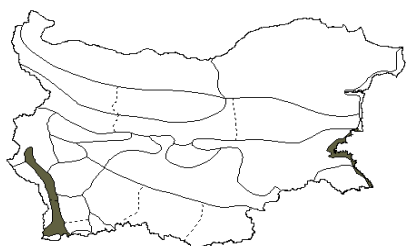
**Helianthemum lasiocarpum**  
Desf. ex Willk.



1000  
⇕  
50

Med

**Hedypnois cretica**  
(L.) Dum. Cours.



1000  
⇕  
0

Med

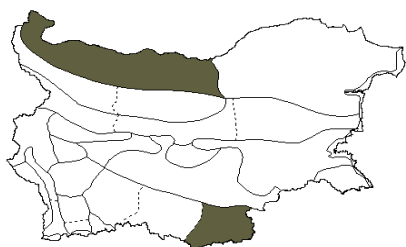
**Helianthemum nummularium**  
(L.) Mill.



2600  
⇕  
0

Alp-Med

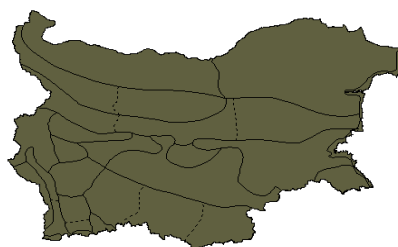
**Hedysarum grandiflorum**  
Pall.



300  
⇕  
0

Pont-Med

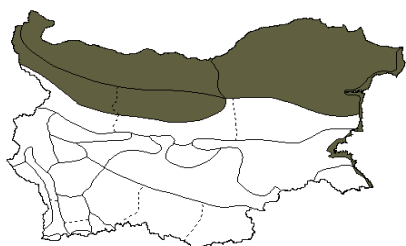
**Helianthemum salicifolium**  
(L.) Mill.



1000  
⇕  
0

subMed

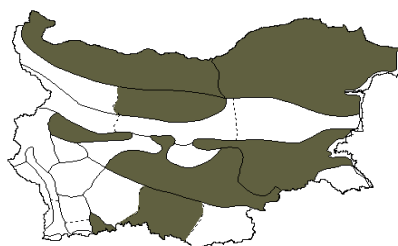
**Hedysarum tauricum**  
Pall. ex Willd.



400  
⇕  
0

Pont

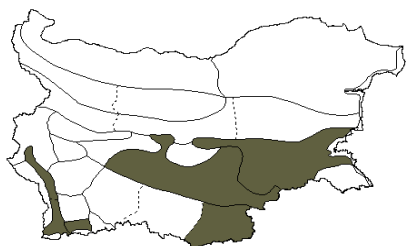
**Helianthus tuberosus**  
L.



1000  
⇕  
0

Adv (NAM)

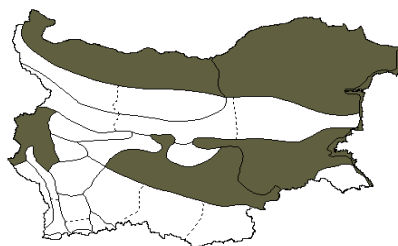
**Helianthemum aegyptiacum**  
(L.) Mill.



200  
⇕  
100

Med

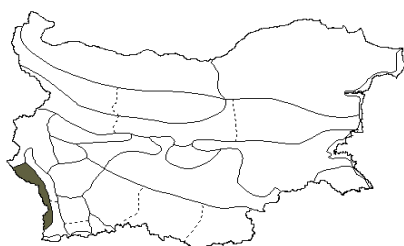
**Helichrysum arenarium**  
(L.) Moench



500  
⇕  
0

Eur-Sib

# **Helichrysum plicatum** DC.



1400

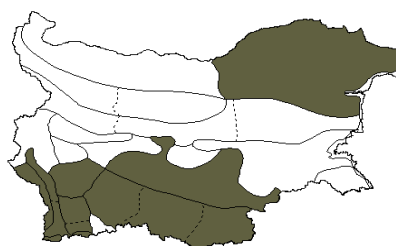


0



Bal-Anat

# **Helleborus cyclophyllus** (A. Braun) Boiss.



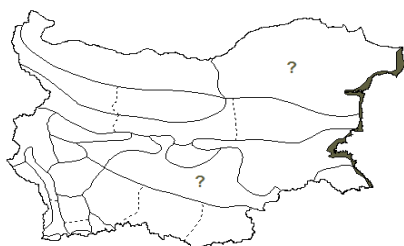
1000



0

subMed

# **Heliotropium dolosum** De Not.



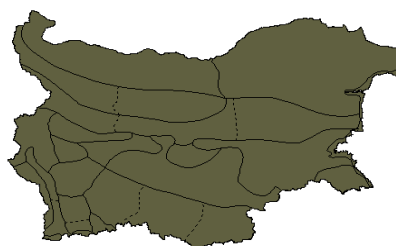
0



0

subMed

# **Helleborus odorus** Waldst. & Kit.



1500



0

Eur-subMed

# **Heliotropium europaeum** L.



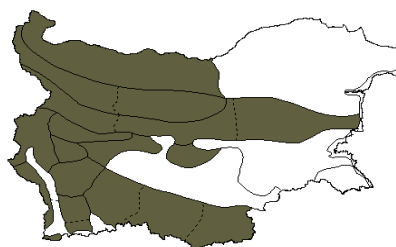
1000



0

subMed

# **Hepatica nobilis** Mill.



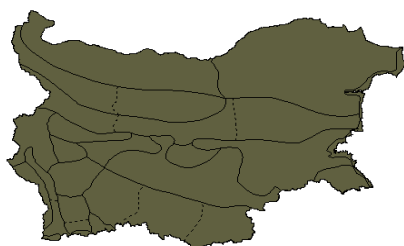
1650



200

Eur-Sib

# **Heliotropium suaveolens** M. Bieb.



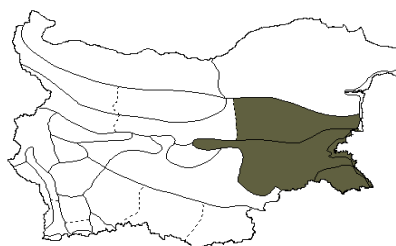
1000



0

subMed

# **Heptaptera triquetra** (Vent.) Tutin



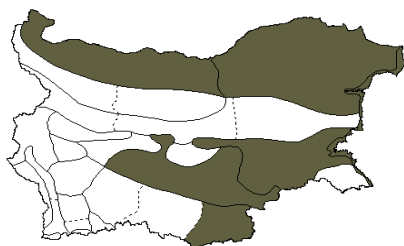
400



0

Bal

# **Heliotropium supinum** L.



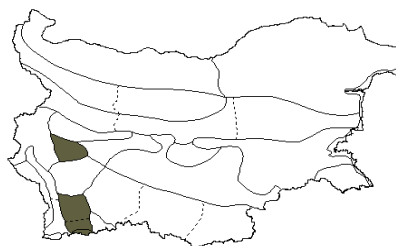
500



0

subMed

# **Heracleum angustisectum** (Stoj. & Acht.) Peev



2500



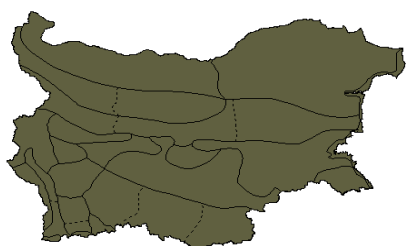
2000

Bul



# Heracleum sibiricum

L.



1000

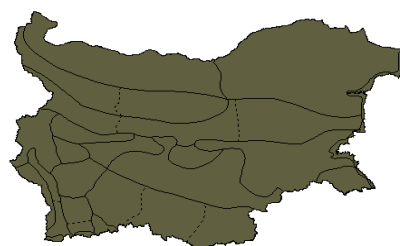


0

Eur-As

# Herniaria hirsuta

L.



1200

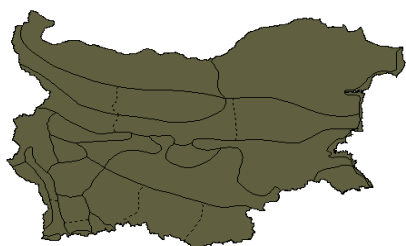


0

Eur-As

# Heracleum ternatum

Velen.



2000

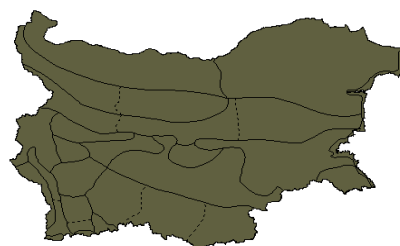


0

Med

# Herniaria incana

Lam.



1000

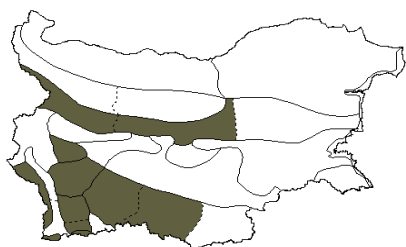


0

Eur-Med

# Heracleum verticillatum

Pančić



2500

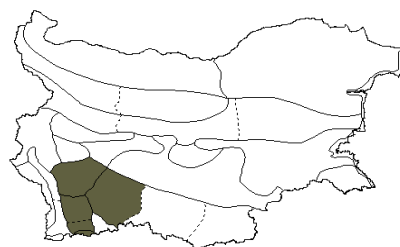


1000

Bal

# Herniaria nigrimontium

Herm.



2200

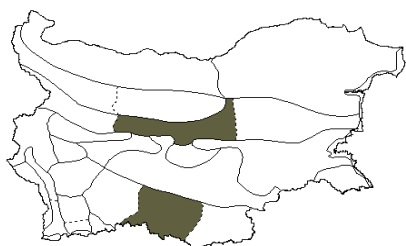


700

Bal

# Herminium monorchis

(L.) R. Br.



1400



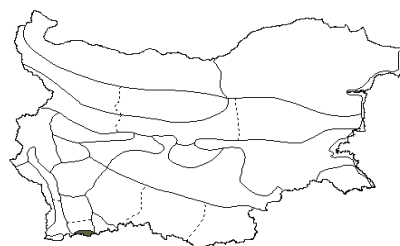
800



Eur-As

# Herniaria olympica

J. Gay



1700



1700

Bal-Anat

# Herniaria glabra

L.



1500

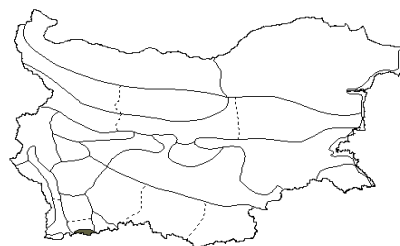


0

Eur-As

# Herniaria parnassica

Heldr. & Sart. ex Boiss.



2900

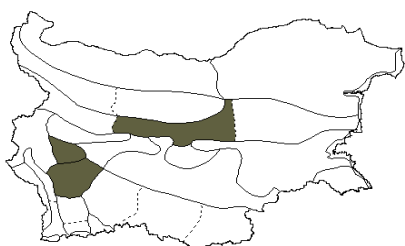


1000

Bal-Aeg

### Hesperis dinarica

Beck



2500

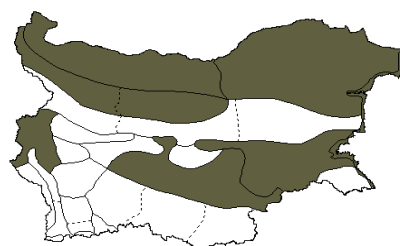


1500

Bal

### Hesperis tristis

L.



900

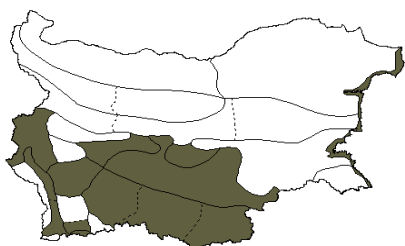


0

Eur

### Hesperis laciniata

All.



1300

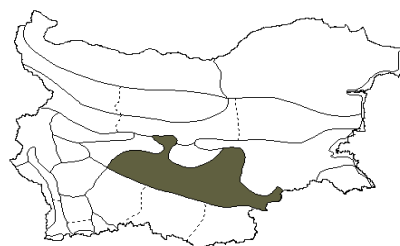


0

subMed

### Heteranthera rotundifolia

(Kunth) Grisebach



200



0

Adv (Am)

### Hesperis matronalis

L.



1000

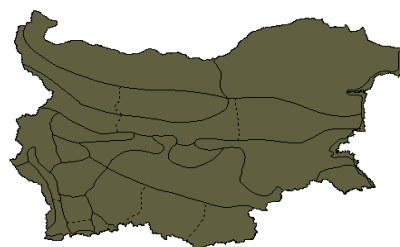


0

Med

### Hibiscus trionum

L.



1000

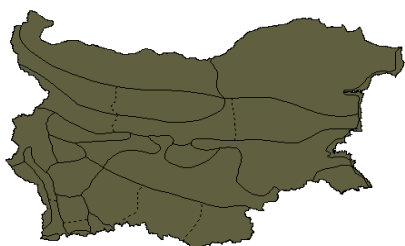


0

Kos

### Hesperis sylvestris

Crantz



1000



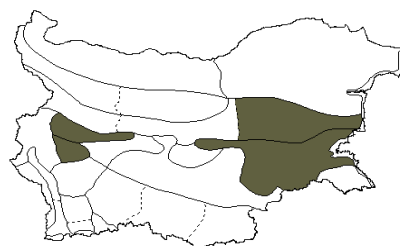
0



Eur

### Hieracium acuminatum

Jord.



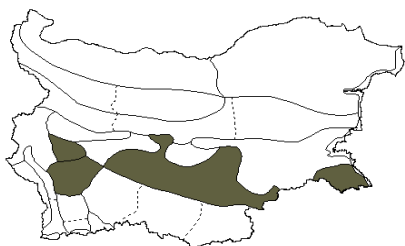
2000



500

### Hesperis theophrasti

Borbás



500



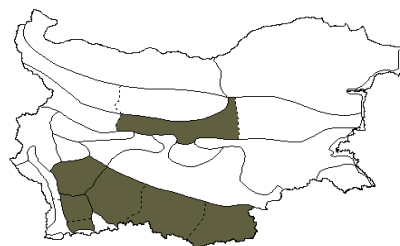
0



Bal

### Hieracium alpicola

Schleich. ex Gaudin



2800

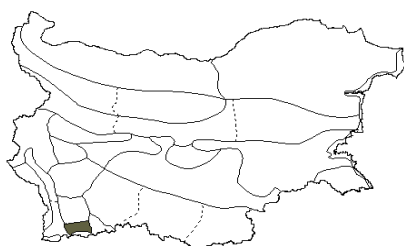


500

Alp-Carp-Bal

### **Hieracium ancevii**

Szelag



1750

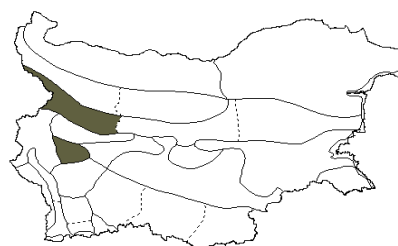


1750

Bul

### **Hieracium biflorum**

Arv. - Touv.



2900

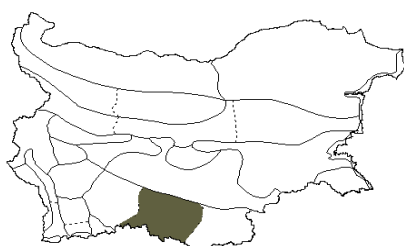


2000

Alp-Bal

### **Hieracium asenovgradense**

Jasiewicz & Pawl.



1400

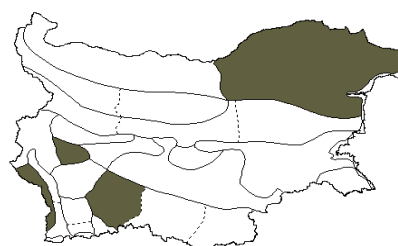


400

Bul

### **Hieracium brachiatum**

Bertol. ex Lam.



1800

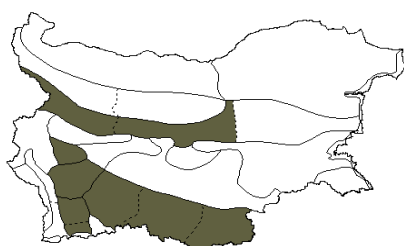


0

Med

### **Hieracium aurantiacum**

L.



2900

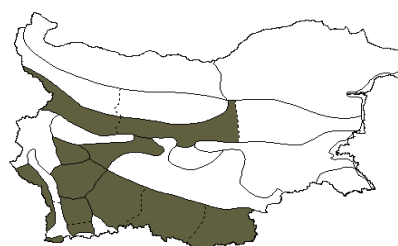


2000

Eur

### **Hieracium caespitosum**

Dumort.



2900

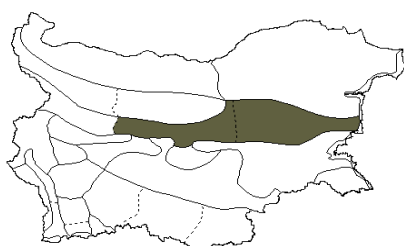


1000

Eur-Sib

### **Hieracium banaticola**

Sudre



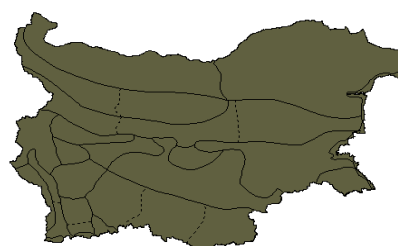
1600



0

### **Hieracium cymosum**

L.



1800

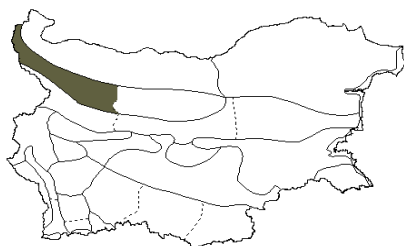


0

Eur-Sib

### **Hieracium belogradcense**

T. Georg. & Kitanov



2000



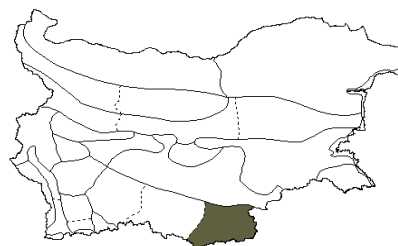
800



Bul

### **Hieracium densiflorum**

Tausch



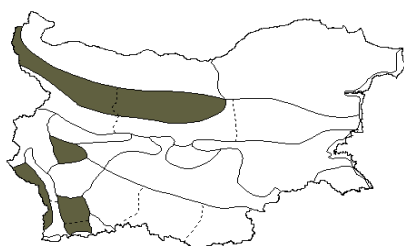
1000



0

### **Hieracium divaricatum**

Fr.



2000

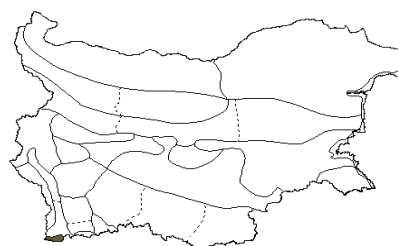


500

Bal

### **Hieracium erythrocarpum**

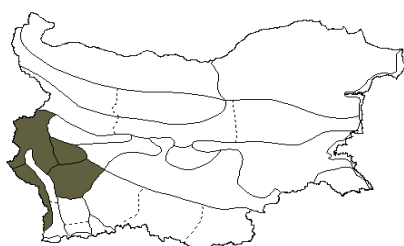
Peter



Bal-OT

### **Hieracium divergens**

Naeg. & Peter



2500

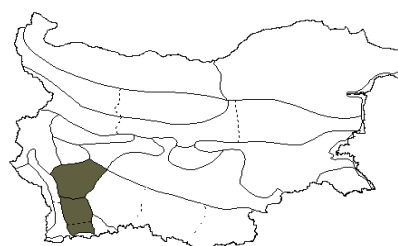


1000

Bul

### **Hieracium ferdinandii-regis**

Zahn



2900

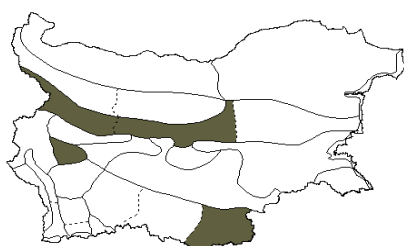


2300

Bul

### **Hieracium djimilense**

Boiss. & Balansa



2700

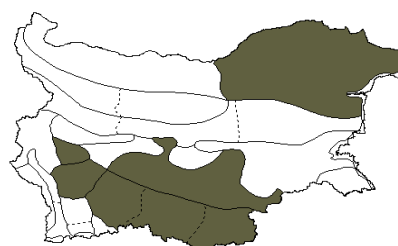


1800

Carp-Bal-Anat

### **Hieracium florentinoides**

Arvet - Tow.



1800

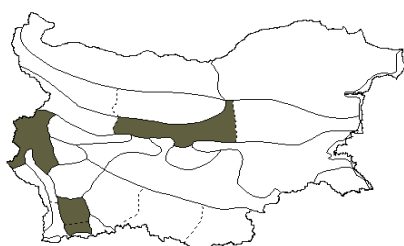


0

Eur-Med

### **Hieracium dolopicum**

Freyn & Sint.



2900

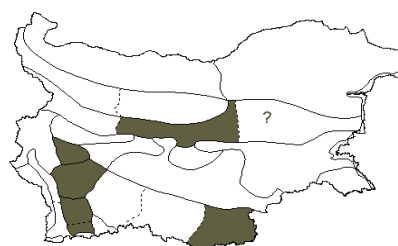


1500

Bal

### **Hieracium gentile**

Jord. ex Boreau



2000

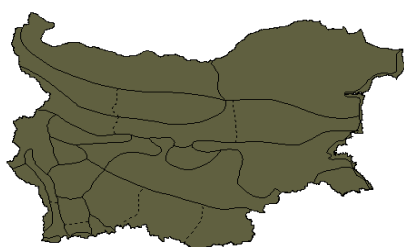


1000

subMed

### **Hieracium echioides**

Lumn.



2900

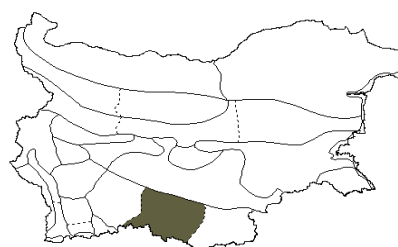


1000

subMed

### **Hieracium gregorii-bakurianii**

S. Bräut.



2000

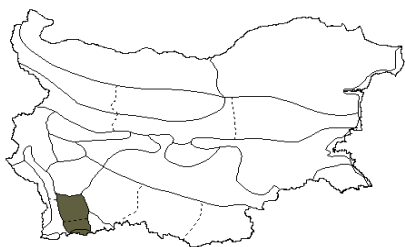


0

Bul

### **Hieracium grizebachii**

A. Kern.



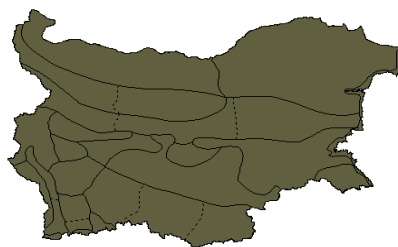
2000



800

### **Hieracium hoppeanum**

Schult.



2500

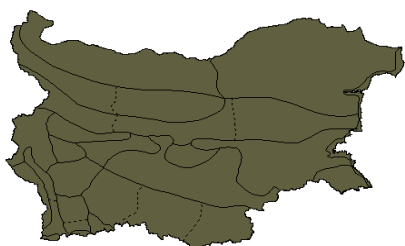


0

Eur-Med

### **Hieracium halimifolium**

Froel ex Fr.



1500

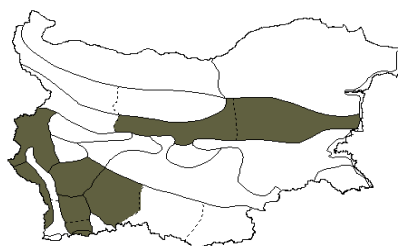


0

subMed

### **Hieracium jankae**

Uechtr.



2900

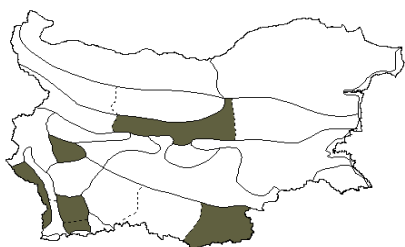


1500

Bal-Dac

### **Hieracium heldreichii**

Boiss.



2800

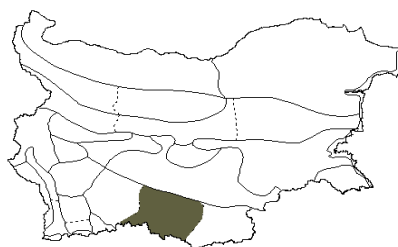


0

Bal

### **Hieracium kittaniae**

Vladimir.



1500

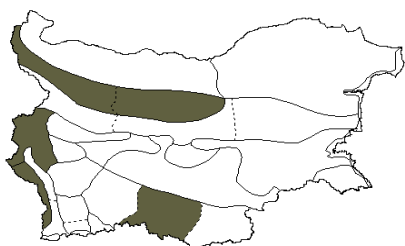


1000

Bul

### **Hieracium heterogynum**

(Froel.) Gut.



2000

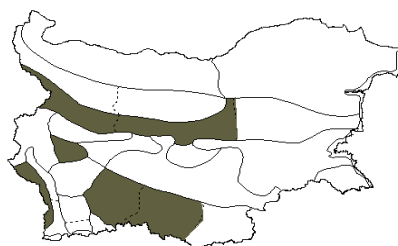


800

Bal

### **Hieracium klisurae**

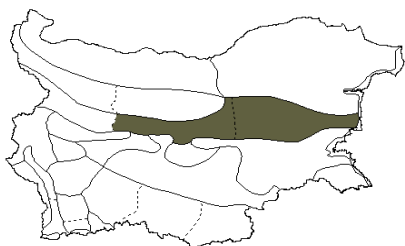
Urum.



Bal

### **Hieracium heuffelii**

Janka



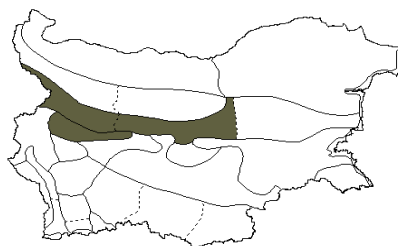
1600



500

### **Hieracium laevigatum**

Willd.



2200



1500

SPont

### **Hieracium latifolium**

Froelich ex Link



1500

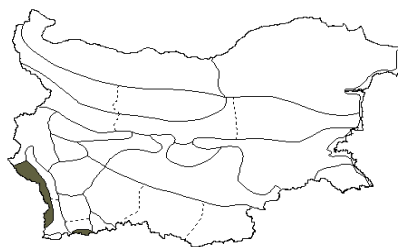


0

subMed

### **Hieracium marotii**

T. Georg. & Zahn



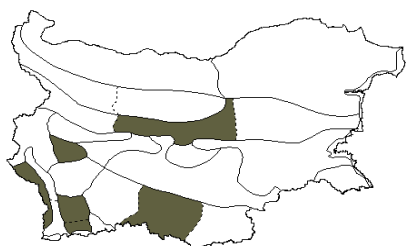
2000



1500

### **Hieracium laurinum**

Arvet - Tow.



2000

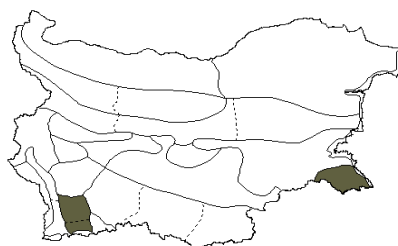


1500

subMed

### **Hieracium mattfeldianum**

Zahn



2500

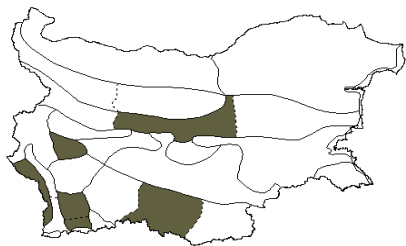


1000

Bal

### **Hieracium leithneri**

(Heldr. & Sart. ex Boiss.) Zahn



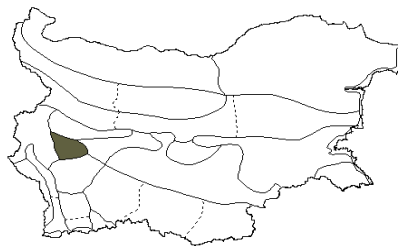
2000



1800

### **Hieracium medschedsense**

Zahn



2000

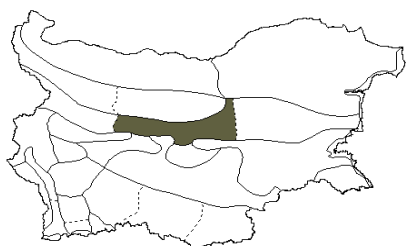


1800

Pont

### **Hieracium maculatum**

Sm.



2900

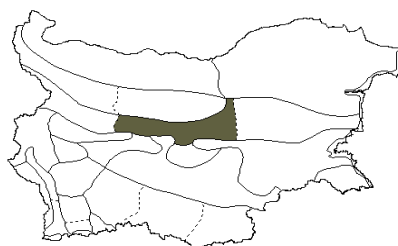


1500

Eur-As

### **Hieracium merxmullerianum**

S. Bräut.



2000

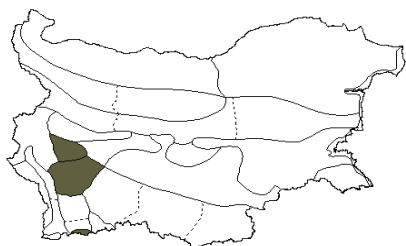


500

Bul

### **Hieracium marmoreum**

Pančić & Vis.



2500

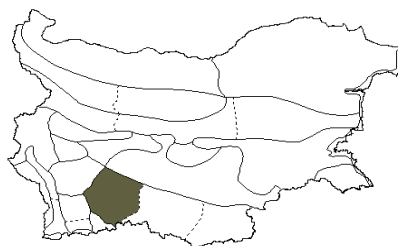


1000

Bal

### **Hieracium muricellum**

Griseb.



2200

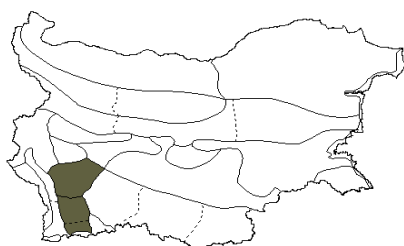


1500

Bal-Anat

### **Hieracium naegelianum**

Pančić



2800

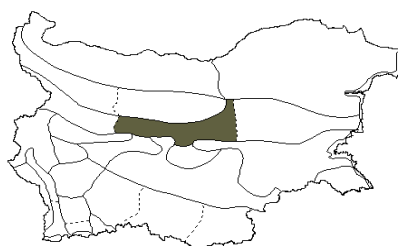


2500

Bal-Ap

### **Hieracium oxyodon**

Fr.



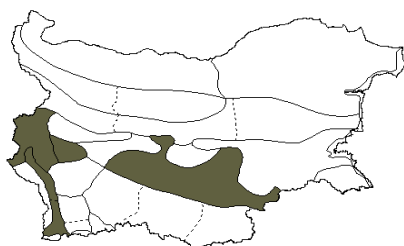
2900



1500

### **Hieracium neodivergens**

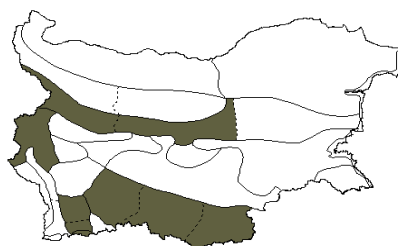
Gottschl.



Bal

### **Hieracium pannosum**

Boiss.



2900

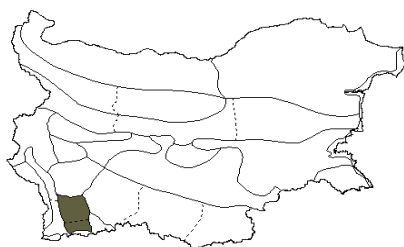


2000

Bal-Anat

### **Hieracium nipholasum**

T. Georg. & Zahn



2500

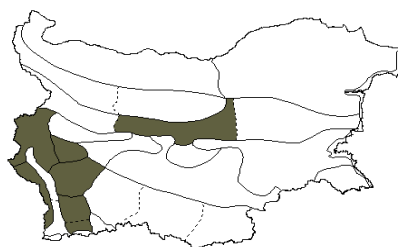


1000

Bul

### **Hieracium pavichii**

Heuff.



2600

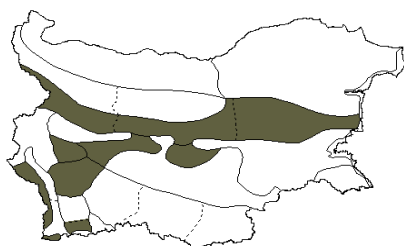


0

Bal-Dac

### **Hieracium olympicum**

Boiss.



2000

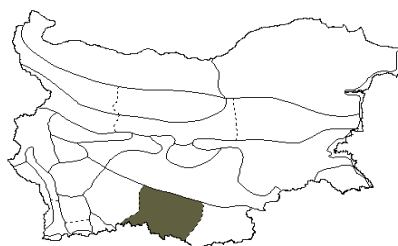


1800

Bal-Anat

### **Hieracium petrovae**

Vladimir. & Szelag



1700

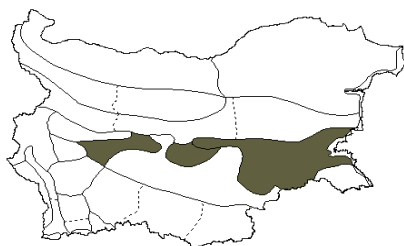


1000

Bul

### **Hieracium ossaeum**

Zahn



2500

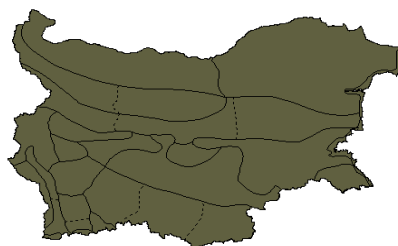


1000

Bal

### **Hieracium pilosella**

L.



2000

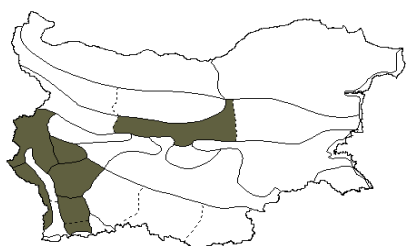


0

Eur-Med

### *Hieracium piloselloides*

Vill.



2600

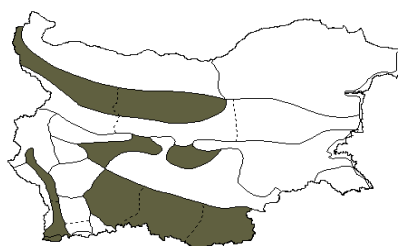


0

subMed

### *Hieracium praecurrens*

Vuk.



2000

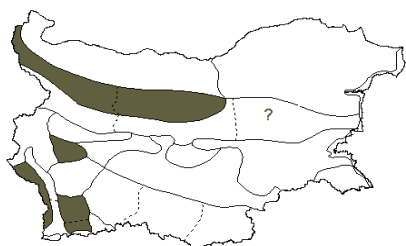


1000

Alp-Bal

### *Hieracium pilosissimum*

Friv.



2000

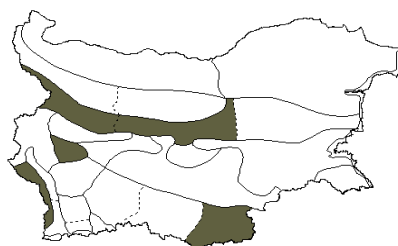


0

Bal-Anat

### *Hieracium pseuderiopus*

Zahn



2200

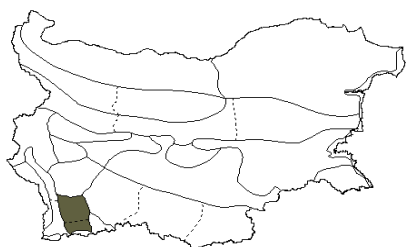


1500

Bal

### *Hieracium pirinicola*

T. Georg. & Zahn



2000

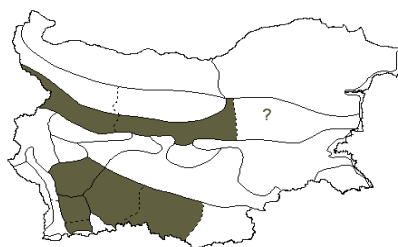


0

Bul

### *Hieracium pseudopilosella*

Ten.



2900

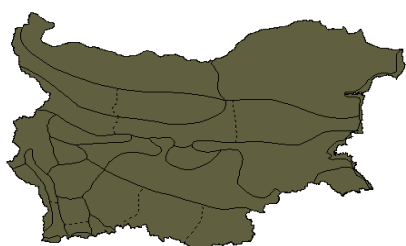


2000

Med

### *Hieracium praealtum*

Vill. ex Goch.



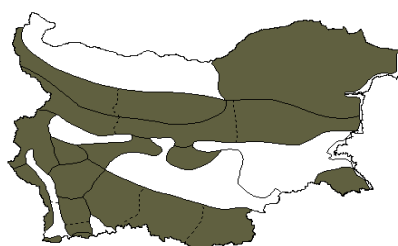
1500



0

### *Hieracium racemosum*

Waldst. & Kit.



1800

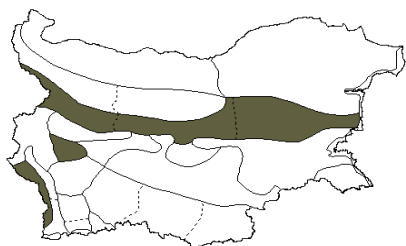


1000

Eur-Med

### *Hieracium praecox*

Sch.Bip.



2000

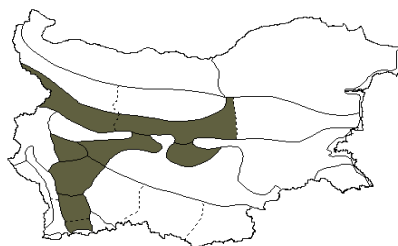


1800

subMed

### *Hieracium retzezatense*

Degen & Zahn



2000



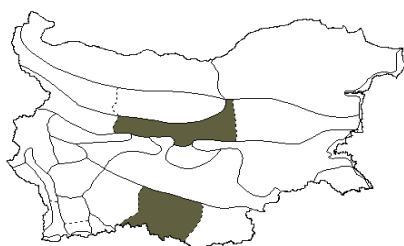
1000

Alp-Carp-Bal



### **Hieracium ruprechtii**

Boiss.



2900

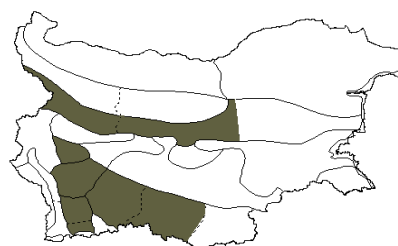


1000

Ap-Bal

### **Hieracium schultzeianum**

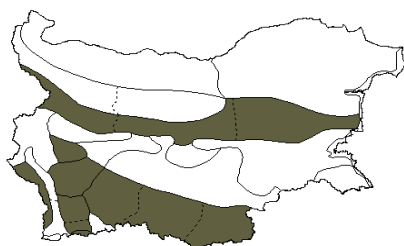
Pančić & Vis.



Bal

### **Hieracium sabaudum**

L.



2000

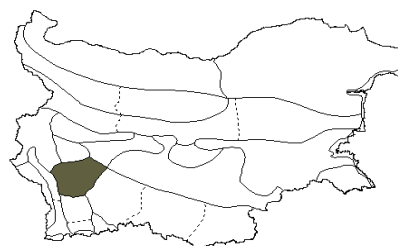


1500

Eur-Med

### **Hieracium semisilvaticum**

(Zahn) P. D. Sell



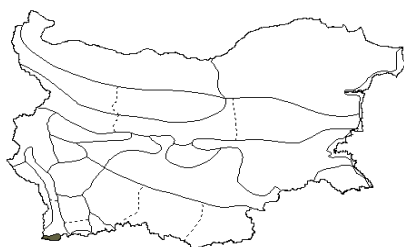
2000



1000

### **Hieracium sartorianum**

Boiss.



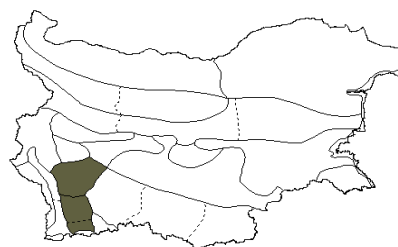
2000



1900

### **Hieracium sericophyllum**

Nejceff



2900

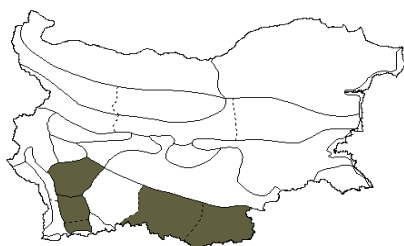


1500

Bal-Anat

### **Hieracium scardicum**

Bornm. & Zahn



2500

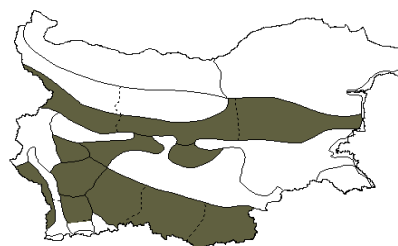


1000

Bal

### **Hieracium sparsum**

Friv.



2800

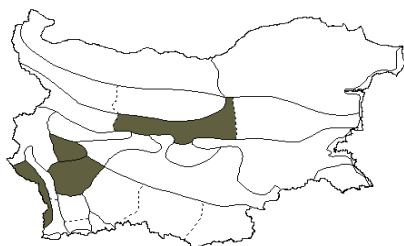


2000

subMed

### **Hieracium schmidtii**

Tausch



2500

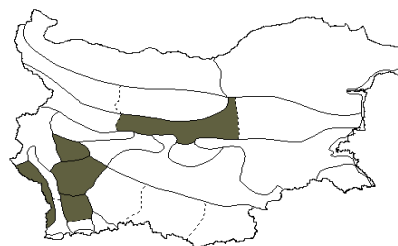


2000

Eur-Med

### **Hieracium stefanoffii**

Zahn



2500

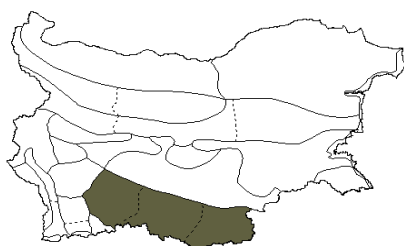


1000

Bul

# **Hieracium tephrocephalum**

Vuk.



2900

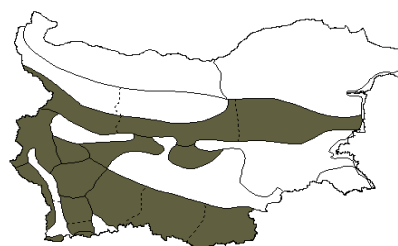


1000

Hybr

# **Hieracium umbellatum**

L.



2000

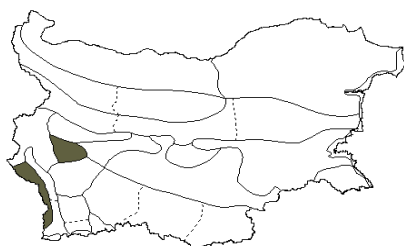


1600

Boreal

# **Hieracium tomassinii**

Rchb.



1500

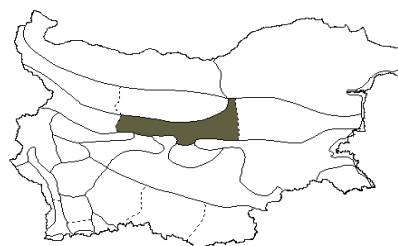


0

Bal

# **Hieracium urumoffii**

Nejceff & Zahn



2900

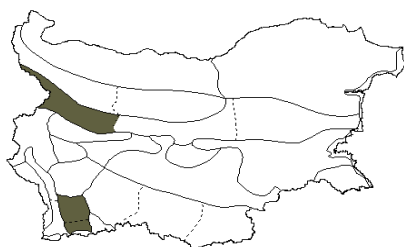


1000

Bul

# **Hieracium transylvanicum**

Heuff.



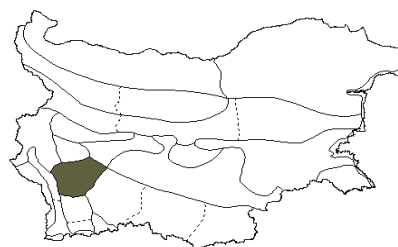
2000



0

# **Hieracium vandasii**

Frein.



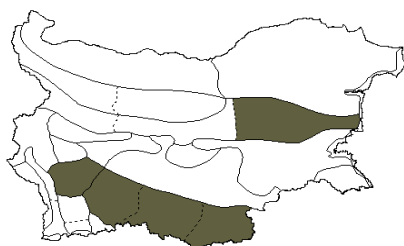
2000



1800

# **Hieracium trebevicianum**

K. Maly



2000

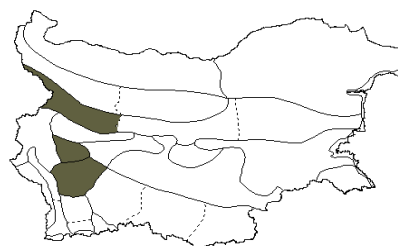


1800

Alp-Carp-Bal

# **Hieracium velenovskyi**

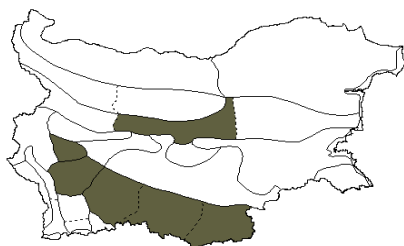
Freyn



Bal

# **Hieracium tschamkorijense**

Zahn



2000

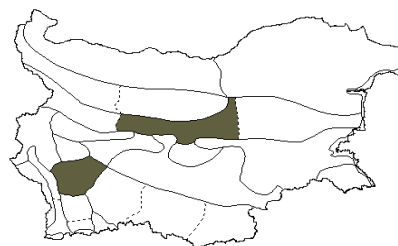


500

Bal-Alp

# **Hieracium villosum**

L.



2800

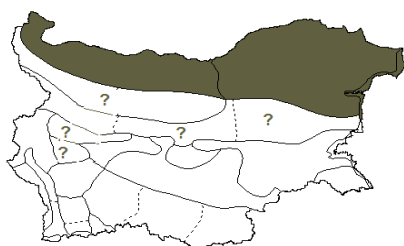


1600

Alp-Ap-Bal

# **Hieracium virosum**

Pall.



600



0

Pont-Sib

# **Himantoglossum caprinum**

(M. Bieb.) Spreng.



1000



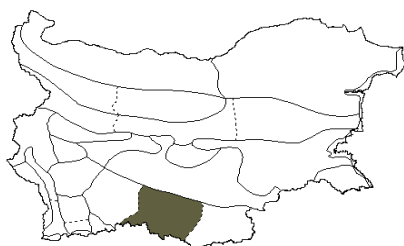
0



Med

# **Hieracium wernerii**

Szelag



1500

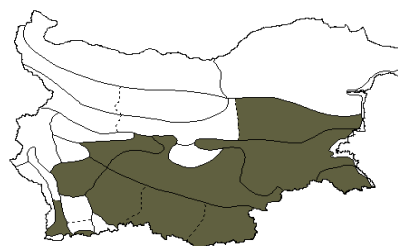


1400

Bul

# **Hippocrepis ciliata**

Willd.



600

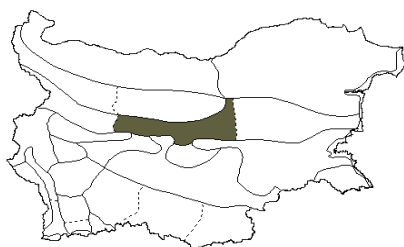


0

subMed

# **Hieracium wolffii**

Zahn



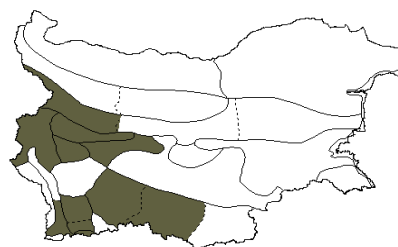
0



0

# **Hippocrepis comosa**

L.



2200

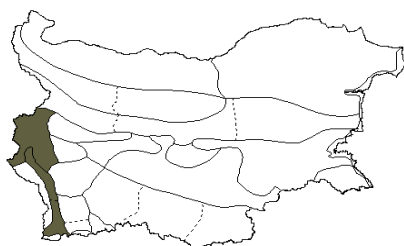


0

subMed

# **Hierochloa australis**

(Schrad.) Roem. & Schult.



500

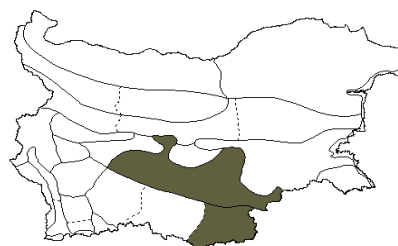


0

Eur

# **Hippocrepis unisiliquosa**

L.



300

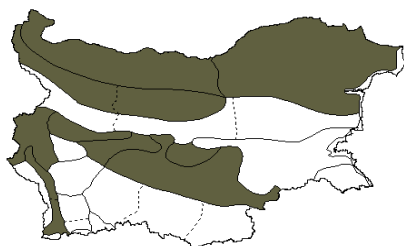


300

Med

# **Hierochloa repens**

(Host) Simonk.



700

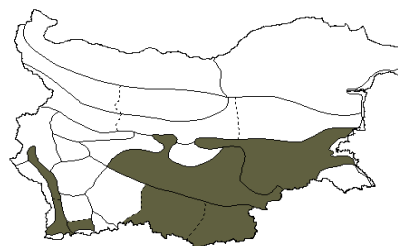


0

Boreal

# **Hippomarathrum cristatum**

(DC.) Boiss.



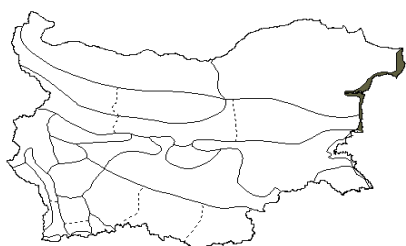
300



0

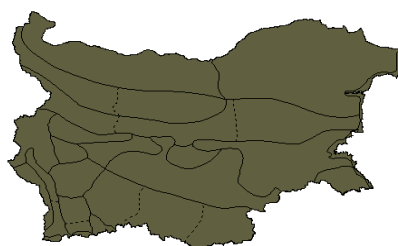
Med

# **Hippophae rhamnoides** L.



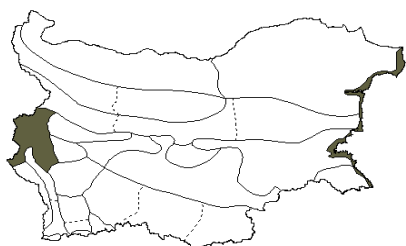
0  
⇅  
0  
!  
Eur-As

# **Holosteum umbellatum** L.



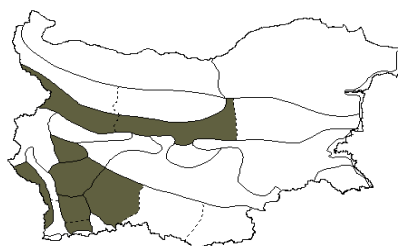
1100  
⇅  
0  
Eur-As

# **Hippuris vulgaris** L.



500  
⇅  
0  
!  
Boreal

# **Homogyne alpina** (L.) Cass.



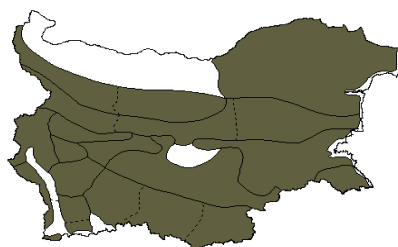
2500  
⇅  
0  
Alp-Carp-Bal

# **Holcus lanatus** L.



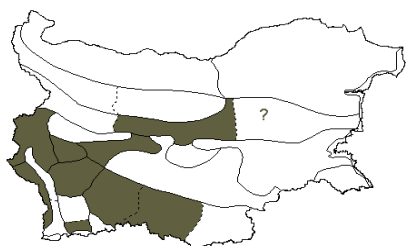
1500  
⇅  
0  
Eur

# **Hordelymus europaeus** (L.) Harz



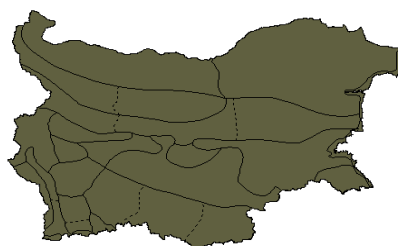
2000  
⇅  
0  
Eur-subMed

# **Holcus mollis** L.



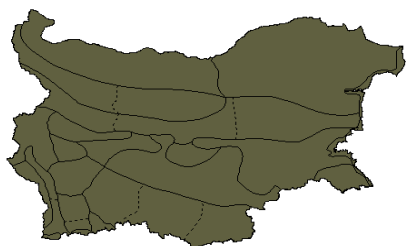
1400  
⇅  
0  
?  
Eur

# **Hordeum bulbosum** L.



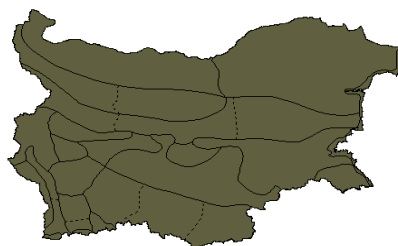
1000  
⇅  
0  
Eur-As

# **Holoschoenus vulgaris** Link



1800  
⇅  
0  
Eur-As

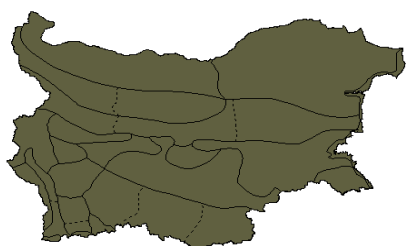
# **Hordeum hystrix** Roth



1000  
⇅  
0  
Eur-As

### *Hordeum leporinum*

Link



1000

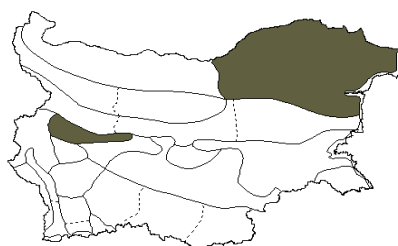


0

Med-CAs

### *Hottonia palustris*

L.



500



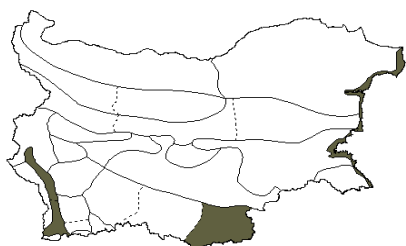
0



Boreal

### *Hordeum marinum*

Huds.



500

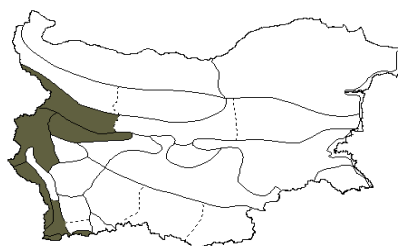


0

Med-CAs

### *Huetia cynapioides*

(Guss.) P. W. Ball



1800



0

Ap-Bal

### *Hordeum murinum*

L.



1000

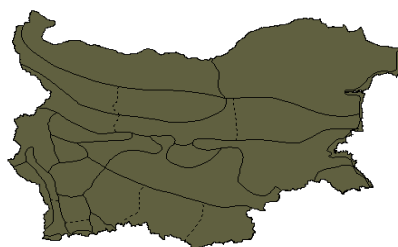


0

Boreal

### *Humulus lupulus*

L.



1000

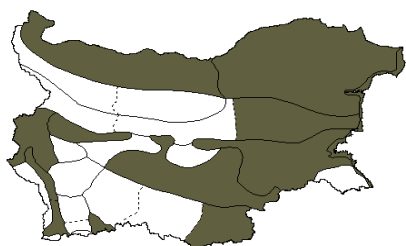


0

Eur-Sib

### *Hordeum secalinum*

Schreb.



1000

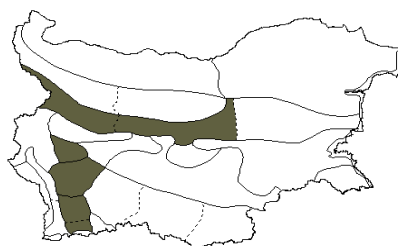


0

Boreal

### *Huperzia selago*

(L.) Bernh. ex Schrank & Mart.



2800

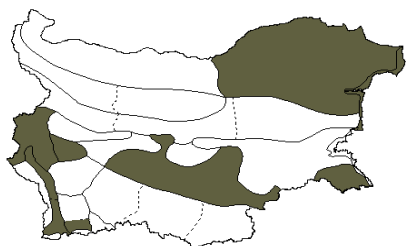


1500

Kos

### *Hornungia petraea*

(L.) Reichenb.



800



0

Eur-subMed

### *Hyacinthella leucophaea*

(Steven ex Kunth) Schur



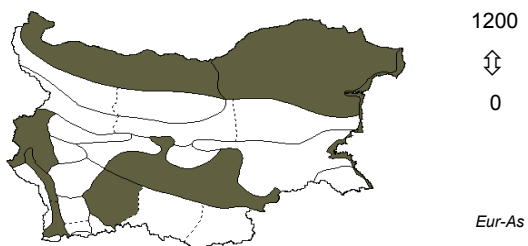
1500



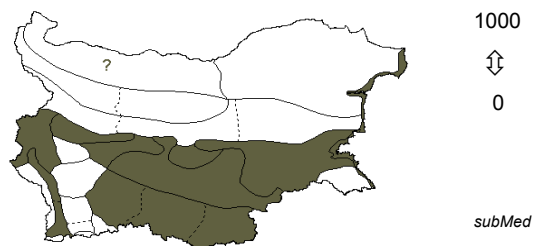
0

Pont-Med

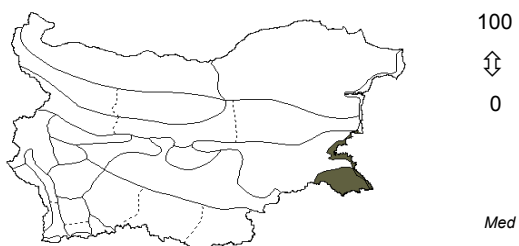
### Hydrocharis morsus-ranae L.



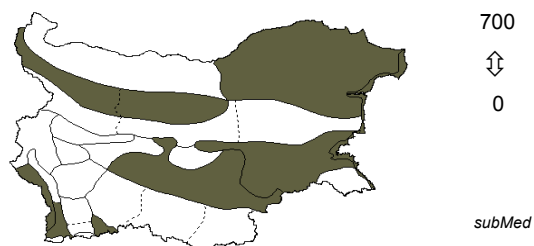
### Hypecoum imberbe Sm.



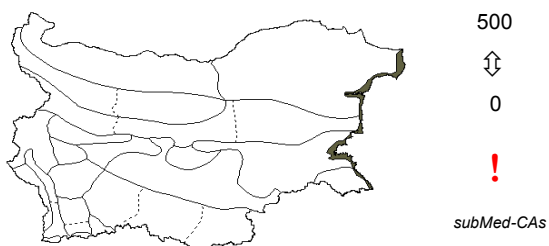
### Hymenocarpus circinatus (L.) Savi



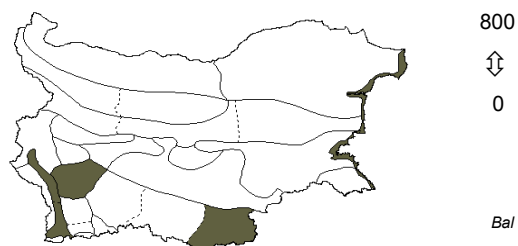
### Hypecoum pendulum L.



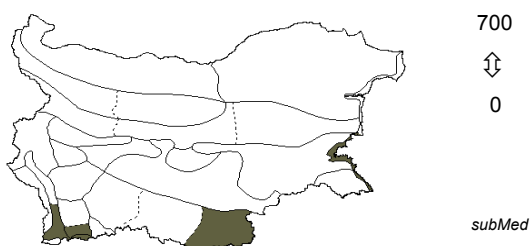
### Hymenolobus procumbens (L.) Nutt.



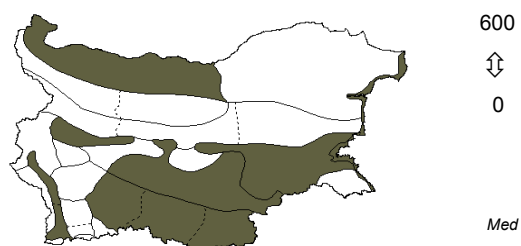
### Hypecoum ponticum Velen.



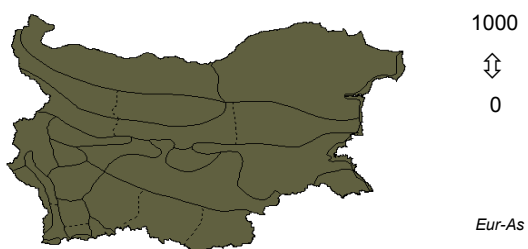
### Hyoscyamus albus L.



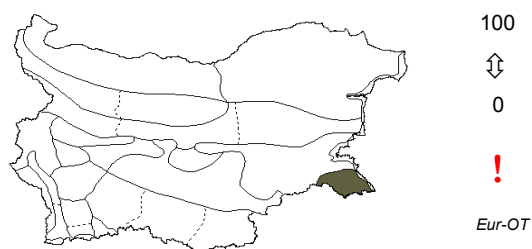
### Hypecoum procumbens L.



### Hyoscyamus niger L.



### Hypericum androsaemum L.



### **Hypericum annulatum**

Moris



1800

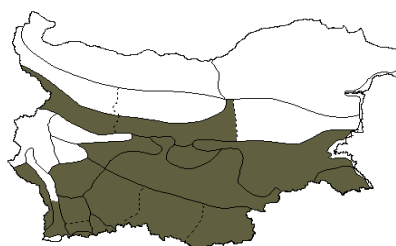


0

Med

### **Hypericum cerastoides**

(Spach) N. Robson



1700

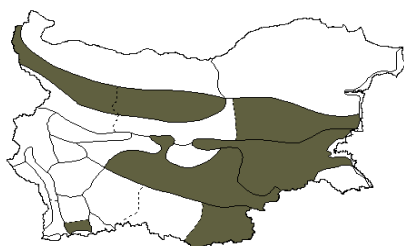


0

subMed

### **Hypericum aucheri**

Jaub. & Spach



800

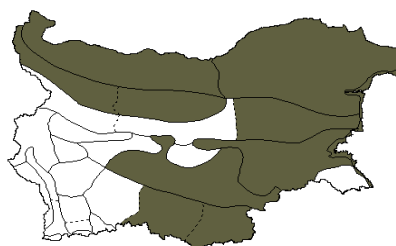


0

subMed

### **Hypericum elegans**

Stephan ex Willd.



800

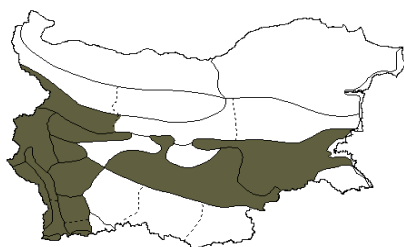


0

Eur-Sib

### **Hypericum barbatum**

Jacq.



1200

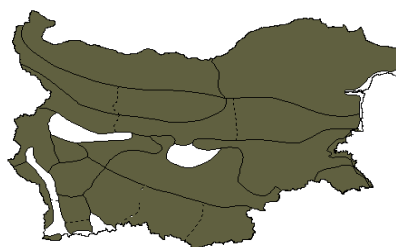


0

subMed

### **Hypericum hirsutum**

L.



1000

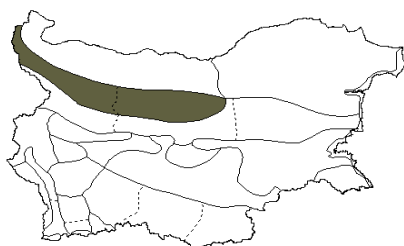


0

Eur-Sib

### **Hypericum boissieri**

Petrovič



400



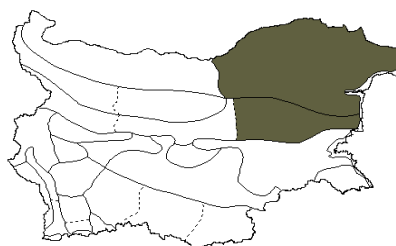
0



Bal

### **Hypericum hyssopifolium**

Chaix



700

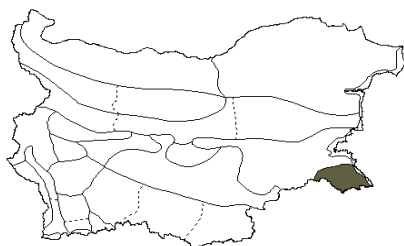


0

subMed

### **Hypericum calycinum**

L.



100



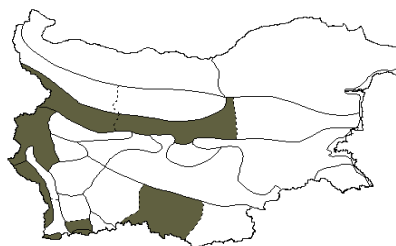
0



Pont-Med

### **Hypericum linarioides**

Bosse



2500



1400

Pont-Med

### *Hypericum maculatum*

Crantz



2000

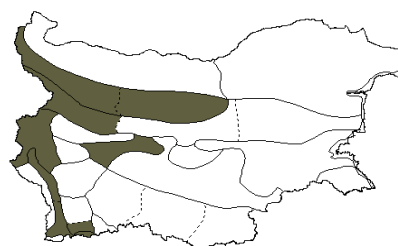


0

Boreal

### *Hypericum rochelii*

Griseb. & Schenk



1000

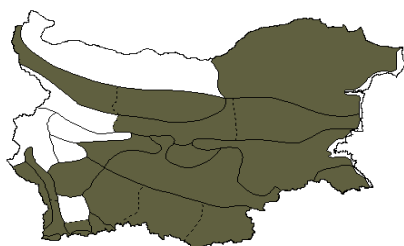


0

Bal-Dac

### *Hypericum montbretii*

Spach



1800

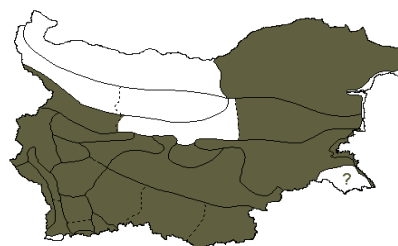


0

subMed

### *Hypericum rumeliacum*

Boiss.



1000

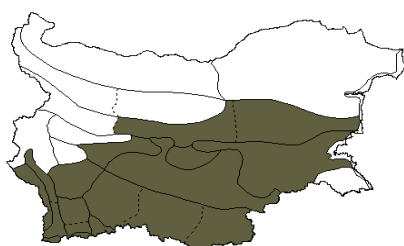


0

subBal

### *Hypericum olympicum*

L.



1500

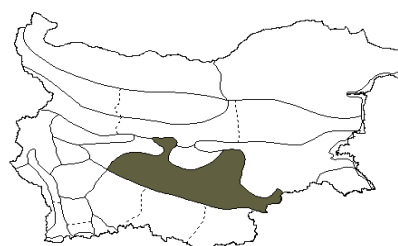


300

subMed

### *Hypericum setiferum*

Stef.



900



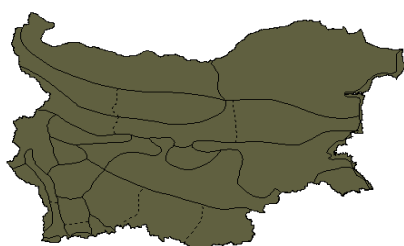
0



Bul

### *Hypericum perforatum*

L.



2000

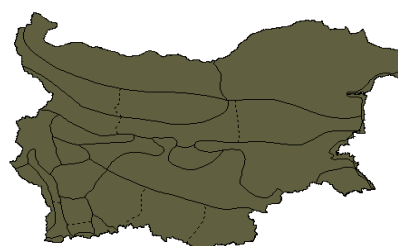


0

Kos

### *Hypericum tetrapterum*

Fr.



1000

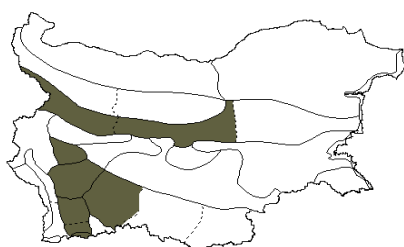


0

Eur-Sib

### *Hypericum richeri*

Vill.



1000

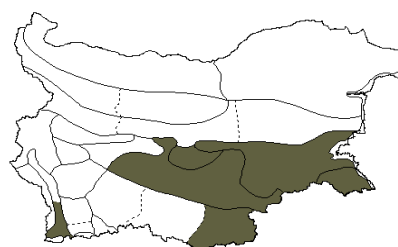


0

subMed

### *Hypericum thasium*

Griseb.



1000



0

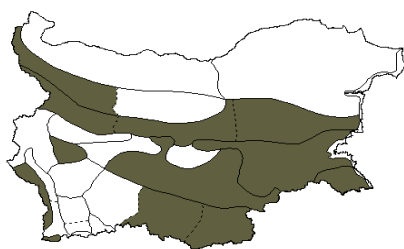


Bal



## **Hypericum umbellatum**

A. Kern.



1000

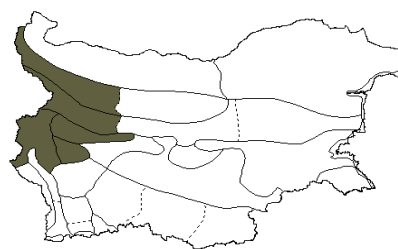


0

subBal

## **Hyssopus officinalis**

L.



1000

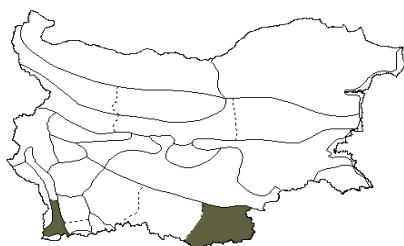


500

Eur-As

## **Hypochaeris cretensis**

(L.) Bory & Chaub.



1000

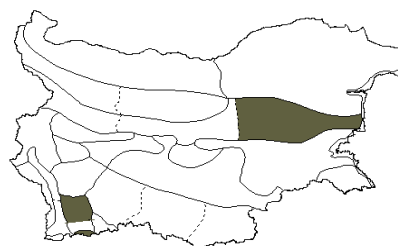


0

Med

## **Iberis saxatilis**

L.



2500



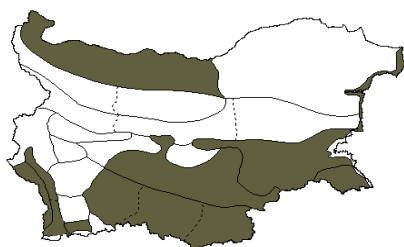
1400



Med

## **Hypochaeris glabra**

L.



1000

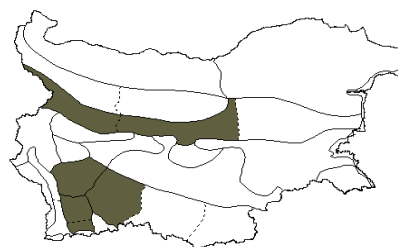


0

Eur-Med

## **Iberis sempervirens**

L.



2300

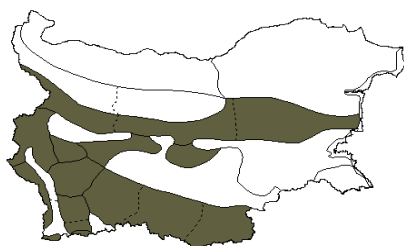


1500

Bal-Anat

## **Hypochaeris maculata**

L.



2500

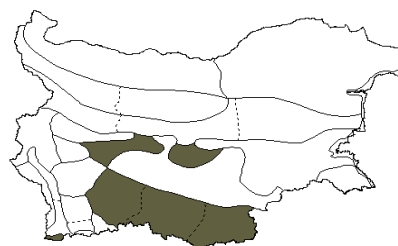


1500

Eur-Sib

## **Ilex aquifolium**

L.



1200



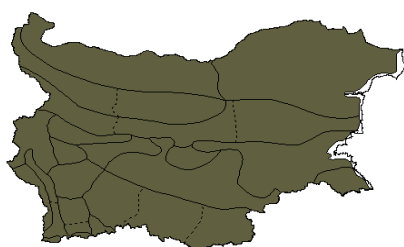
400



subMed

## **Hypochaeris radicata**

L.



2000

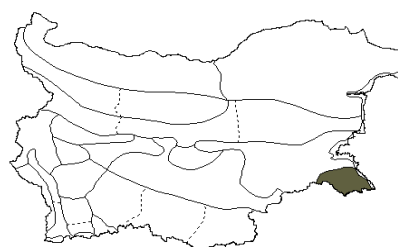


500

Eur-Med

## **Ilex colchica**

Poj.



400



200



Pont

### *Impatiens balfourii*

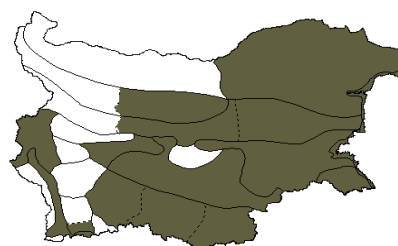
Hook. f.



⇕

### *Inula aschersoniana*

Janka



1000

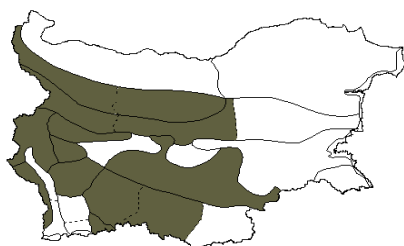
⇕

0

Bal-Anat

### *Impatiens glandulifera*

Royle



1400

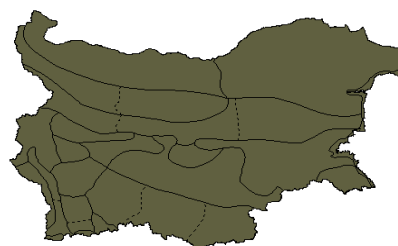
⇕

0

Adv

### *Inula bifrons*

(L.) L.



1000

⇕

0

Eur-Med

### *Impatiens noli-tangere*

L.



1600

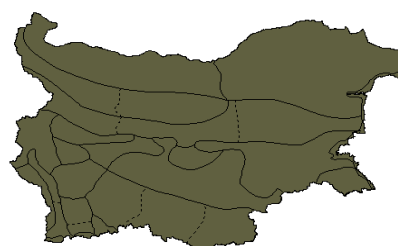
⇕

400

Eur-As

### *Inula britannica*

L.



2900

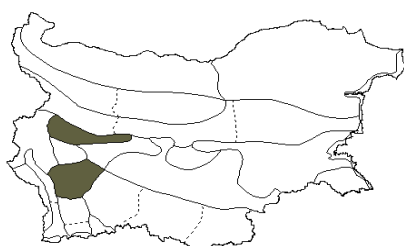
⇕

1000

Eur-Med

### *Impatiens parviflora*

DC.



1500

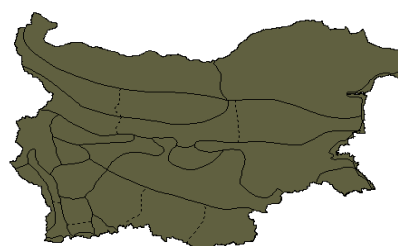
⇕

1000

Adv (Eur-As)

### *Inula conyza*

L.



1000

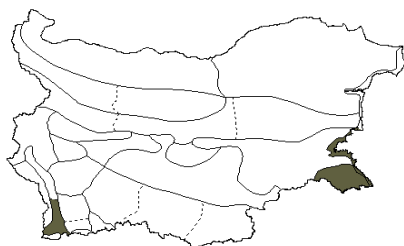
⇕

0

Eur-Med

### *Imperata cylindrica*

(L.) Raeusch.



300

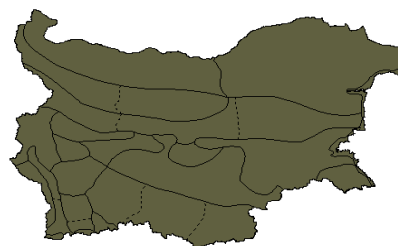
⇕

0

Med-CAs

### *Inula ensifolia*

L.



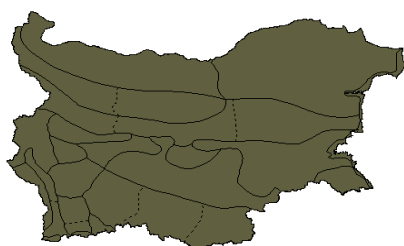
2000

⇕

1000

Eur-Med

**Inula germanica**  
L.



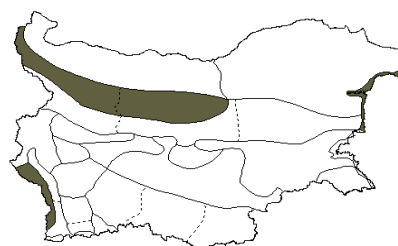
2000



0

subMed

**Inula spiraeifolia**  
L.



500

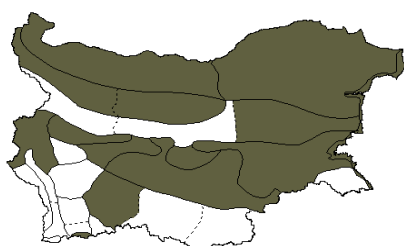


0



Med

**Inula helenium**  
L.



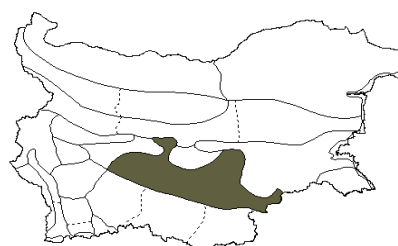
1000



0

Eur-Med

**Inula thapsoides**  
(M. Bieb. ex Willd.) Spreng.



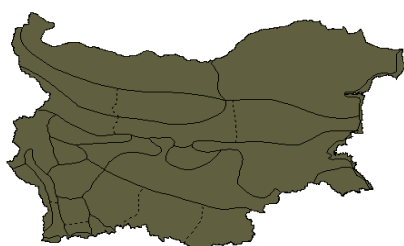
1000



0

Pont-OT

**Inula hirta**  
L.



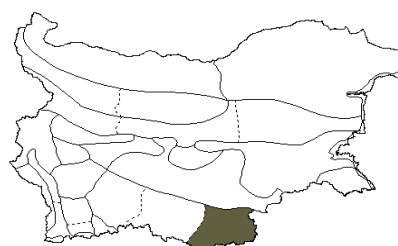
1000



0

Eur-Sib

**Iris aphylla**  
L.



700

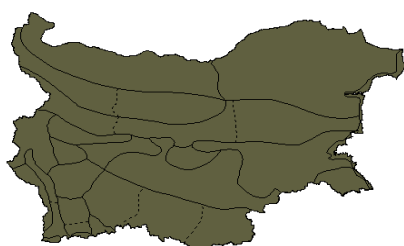


0



Pont-Anat

**Inula oculus-christi**  
L.



1000



0

Eur-Med

**Iris graminea**  
L.



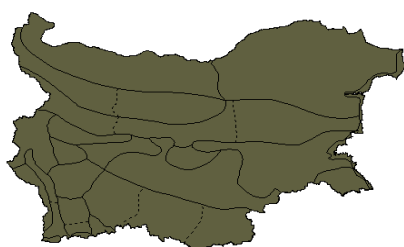
1000



0

Pont-Med

**Inula salicina**  
L.



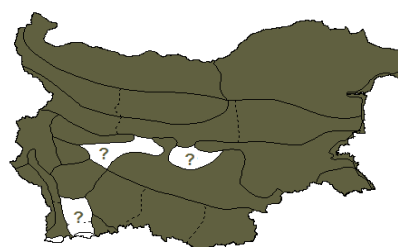
1000



0

Eur-As

**Iris pseudacorus**  
L.



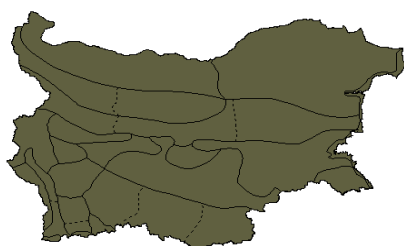
1000



0

Eur

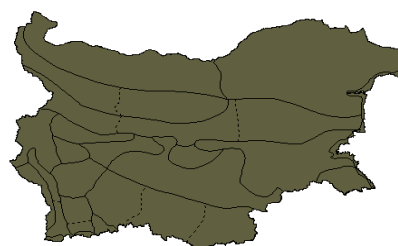
**Iris pumila**  
L.



1000  
⇕  
0

subMed

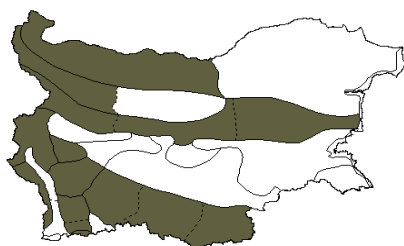
**Iris variegata**  
L.



2900  
⇕  
0

subMed

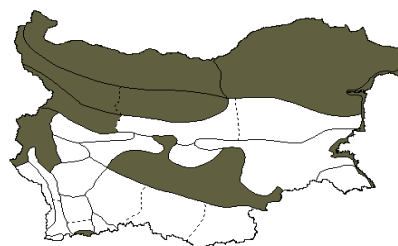
**Iris reichenbachii**  
Heuff.



2200  
⇕  
0

Bal-Dac

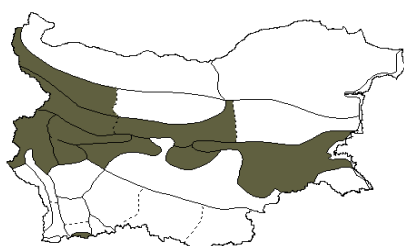
**Isatis praecox**  
Kit. ex Tratt.



700  
⇕  
0

subMed

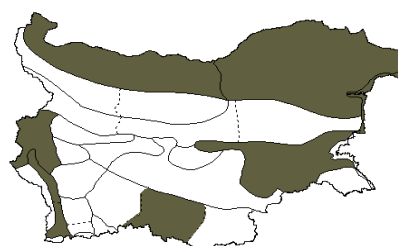
**Iris sibirica**  
L.



1300  
⇕  
0

Pont-Sib

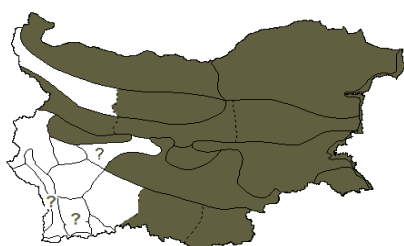
**Isatis tinctoria**  
L.



300  
⇕  
0

Eur-As

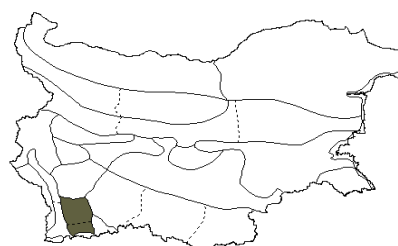
**Iris sintenisii**  
Janka



1000  
⇕  
0

Med

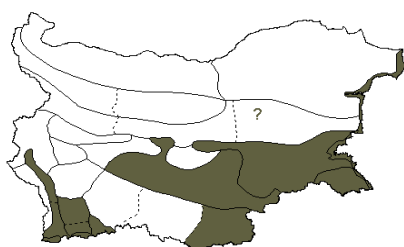
**Isoetes lacustris**  
L.



2700  
⇕  
1900

!  
Boreal

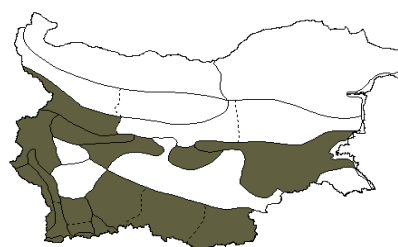
**Iris suaveolens**  
Boiss. & Reut.



1000  
⇕  
0

Bal-Anat

**Isolepis setacea**  
(L.) R. Br.

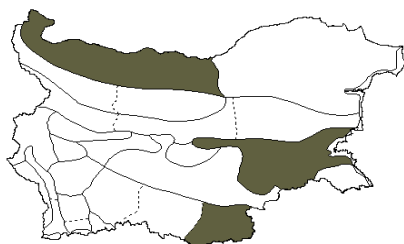


1000  
⇕  
0

Kos

### *Isolepis supina*

(L.) R. Br.



100

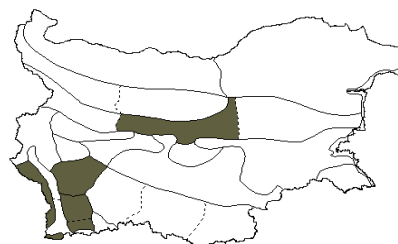


0

Boreal

### *Jasione laevis*

Lam.



2800

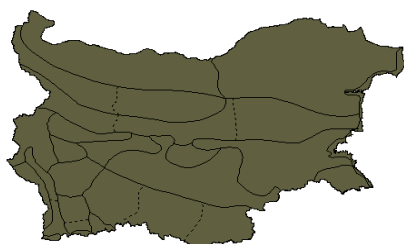


1900

Bal-Anat

### *Isopyrum thalictroides*

L.



1200



0

Eur

### *Jasione montana*

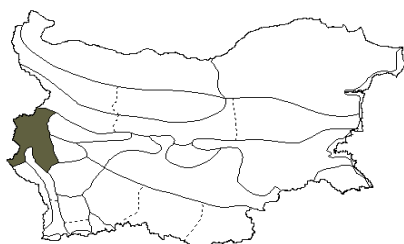
L.



Eur-Cauc

### *Iva xanthifolia*

Nutt.



500

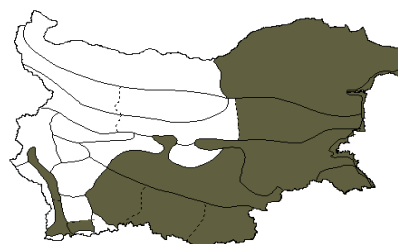


0

Adv (NAm)

### *Jasminum fruticans*

L.



1000

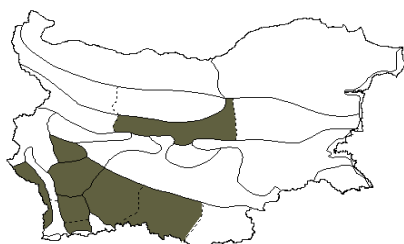


0

Pont-CAs

### *Jasione bulgarica*

Stoj. & Stef.



2700



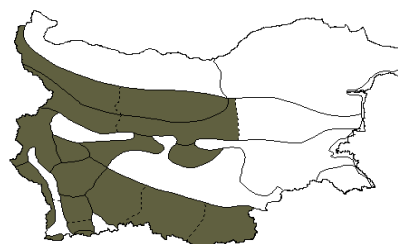
1900



Bul

### *Jovibarba heuffelii*

(Schott) A. & D. Löve



2200



600

Carp-Bal

### *Jasione heldreichii*

Boiss. & Orph.



1500

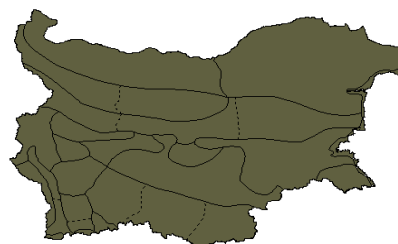


0

Eur-Med

### *Juglans regia*

L.



1000

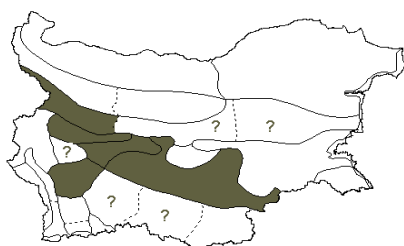


0

Eur-As/Paleo

### **Juncus acutiflorus**

Ehrh. ex Hoffm.



300

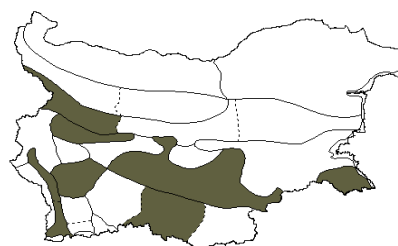


0

Eur

### **Juncus capitatus**

Weigel



1000

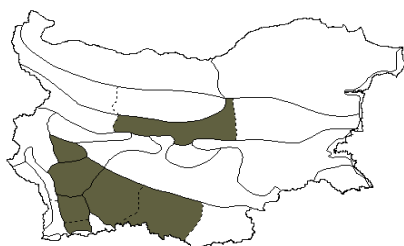


0

subMed

### **Juncus alpinus**

Vill.



2900

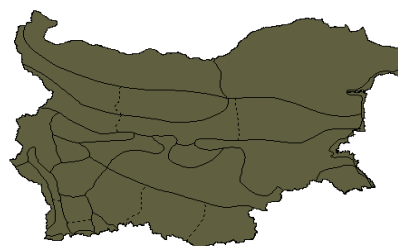


2000

Eur-NAm

### **Juncus compressus**

Jacq.



1000



0

Eur-As

### **Juncus articulatus**

L.



2900

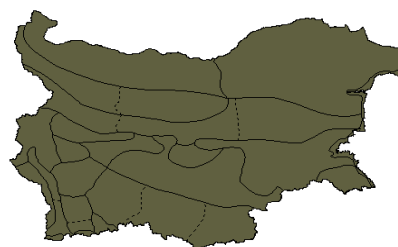


0

Boreal

### **Juncus conglomeratus**

L.



1800



0

Eur

### **Juncus atratus**

Krock.



1500

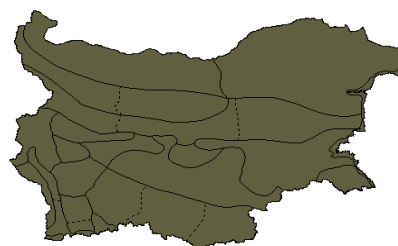


0

subMed

### **Juncus effusus**

L.



1600



0

subBoreal

### **Juncus bufonius**

L.



2000

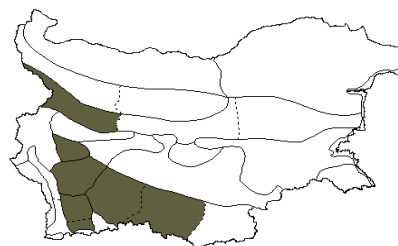


0

subBoreal

### **Juncus filiformis**

L.



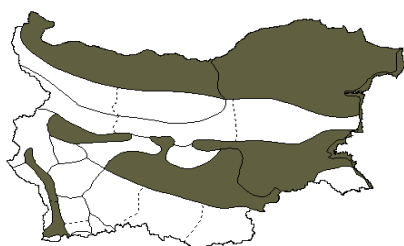
2900



1800

Kos

**Juncus gerardii**  
Loisel.



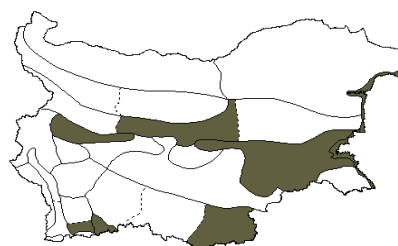
700



0

Boreal

**Juncus ranarius**  
Song. & Perr. ex Bill.



500

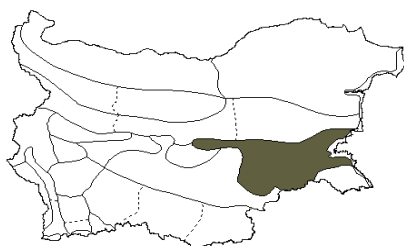


0



Eur

**Juncus hybridus**  
Brot.



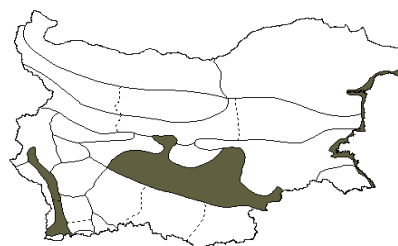
400



0

Med

**Juncus subnodulosus**  
Schränk



1000



0

subMed

**Juncus inflexus**  
L.



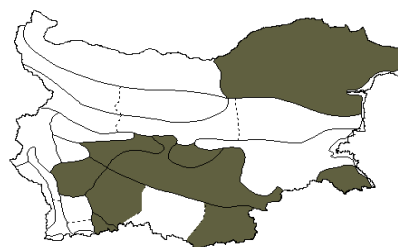
1500



0

subBoreal

**Juncus tenageia**  
L. f..



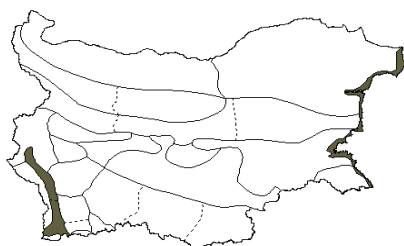
1000



0

Eur-Sib

**Juncus littoralis**  
C. A. Mey.



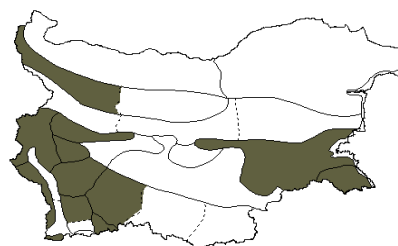
300



0

OT

**Juncus tenuis**  
Willd.



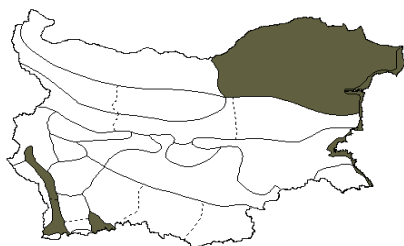
1500



0

Adv (NAM)

**Juncus maritimus**  
Lam.



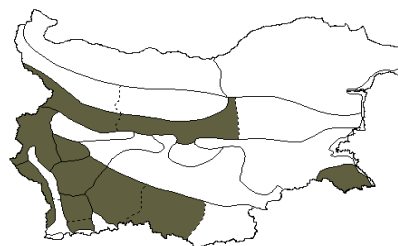
200



0

Kos

**Juncus tomasii**  
Ten.



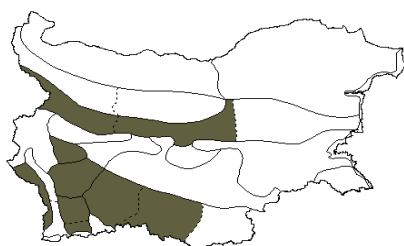
2500



400

Carp-Bal

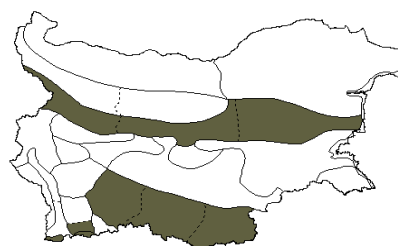
**Juncus trifidus**  
L.



2900  
⇕  
1800

Boreal

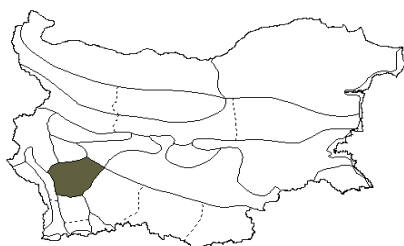
**Juniperus pygmaea**  
C. Koch



1700  
⇕  
1500

Med

**Juncus triglumis**  
L.

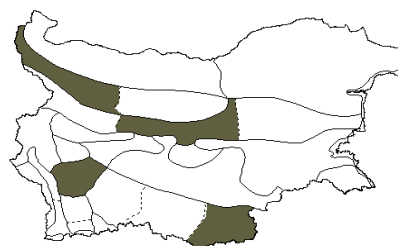


2500  
⇕  
2000

!

Arct-Alp

**Juniperus sabina**  
L.

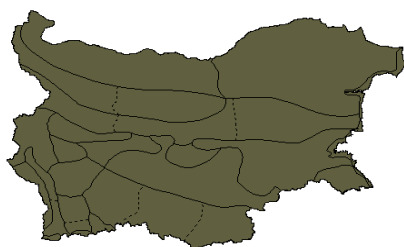


2500  
⇕  
1000

!

Pont-Sib

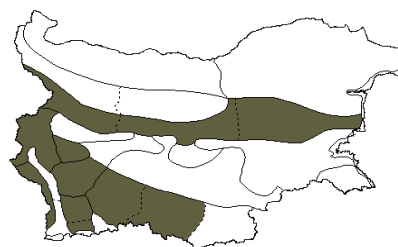
**Juniperus communis**  
L.



1700  
⇕  
200

subBoreal

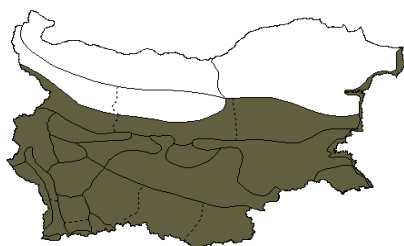
**Juniperus sibirica**  
Burgsd.



2400  
⇕  
1900

Boreal

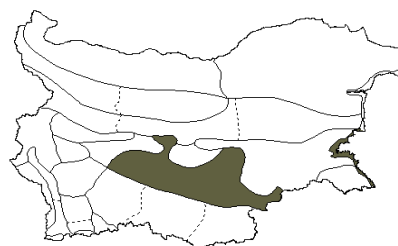
**Juniperus deltoides**  
R.P. Adams



1100  
⇕  
0

EMed

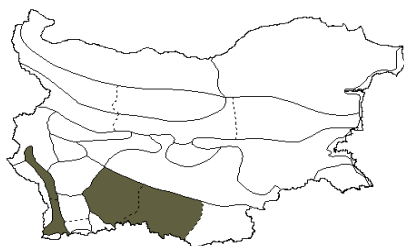
**Jurinea albicaulis**  
Bunge



100  
⇕  
0

Pont-Bal

**Juniperus excelsa**  
M. Bieb.

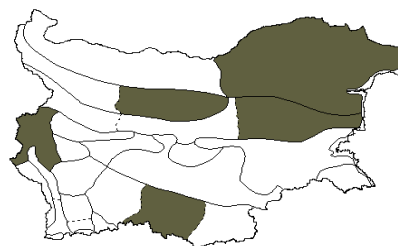


1200  
⇕  
0

!

Med-OT

**Jurinea bulgarica**  
Velen.



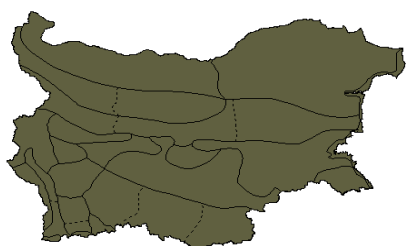
1500  
⇕  
0

Bul



### *Jurinea consanguinea*

DC.



2000

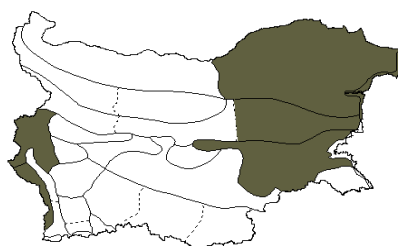


0

subMed-Sib

### *Jurinea tzar-ferdinandii*

Davidov



1000



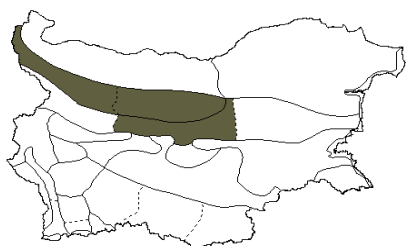
0



Bal

### *Jurinea glicacantha*

(Sm.) DC.



1500

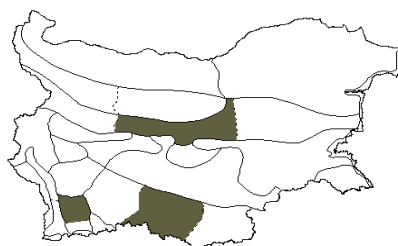


1000

Pann-Bal

### *Kernera saxatilis*

(L.) Rchb.



2500

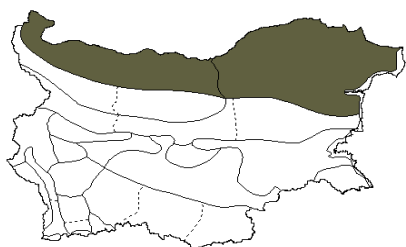


1800

Alp-Carp-Bal

### *Jurinea ledebourii*

Bunge



500



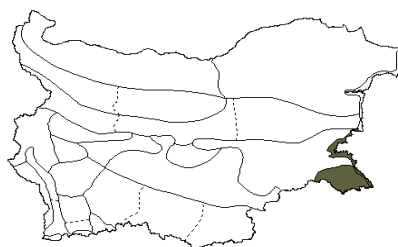
0



Pont

### *Kickxia commutata*

(Bernh. ex Rchb.) Fritsch



100

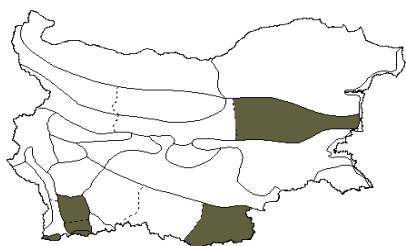


0

Med

### *Jurinea mollis*

(L.) Rchb.



2400

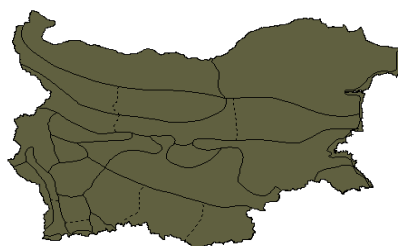


0

Pont-Med

### *Kickxia elatine*

(L.) Dumort.



1000

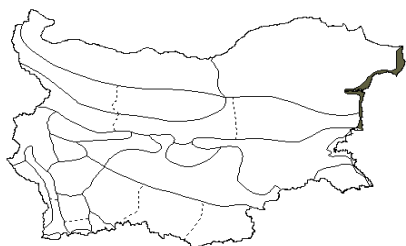


0

subMed

### *Jurinea stoechadifolia*

(M. Bieb.) DC.



200

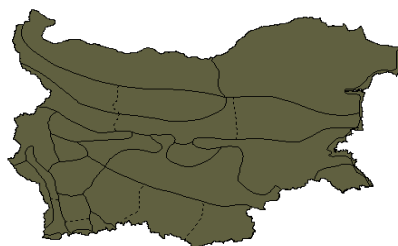


0

Pont-Bal

### *Kickxia spuria*

(L.) Dumort.



1000

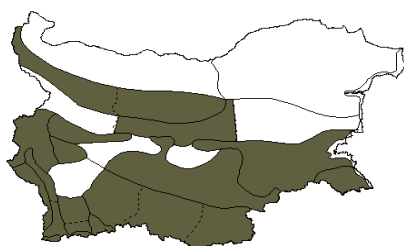


0

subMed

### ***Knautia ambigua***

(Friv.) Boiss. & Orph.



2000

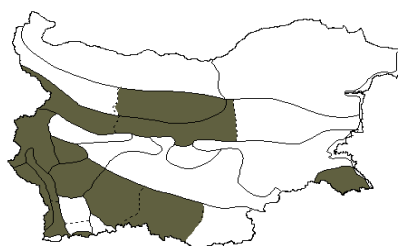


300

Bal

### ***Knautia drymeia***

Heuff.



2000

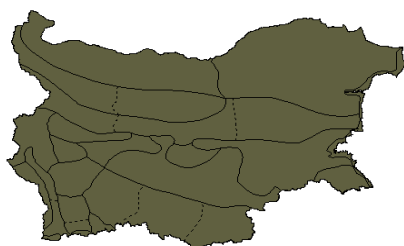


0

Alp-Carp-Bal

### ***Knautia arvensis***

(L.) Coult.



2900

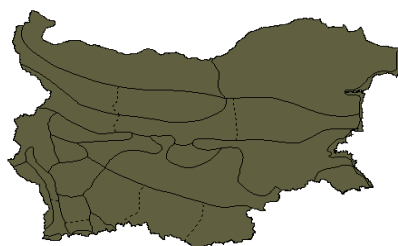


500

Eur-Sib

### ***Knautia integrifolia***

(L.) Bertol.



1000

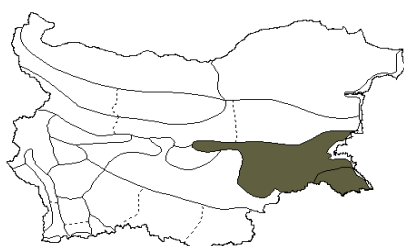


0

Med

### ***Knautia byzantina***

Fritsch



500



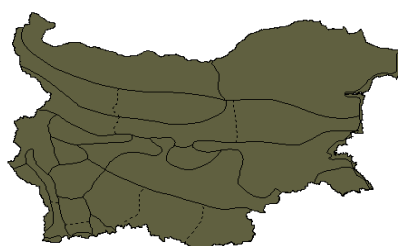
0



Bal-Anat

### ***Knautia macedonica***

Griseb.



1000

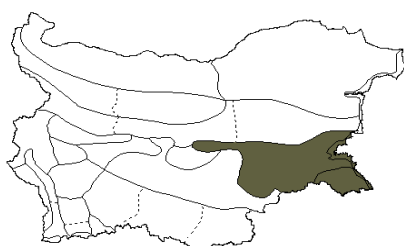


0

subBal

### ***Knautia degenii***

Borbás ex Formánek



500

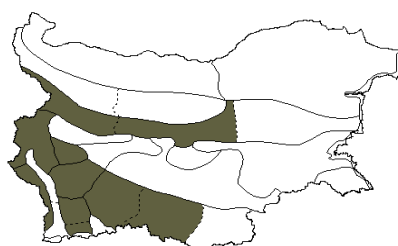


0

Bal-Anat

### ***Knautia midzorensis***

Formánek



2900

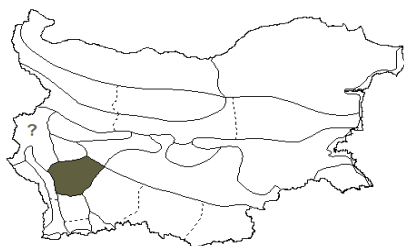


1500

Bal

### ***Knautia dinarica***

(Murb.) Borbás



2900



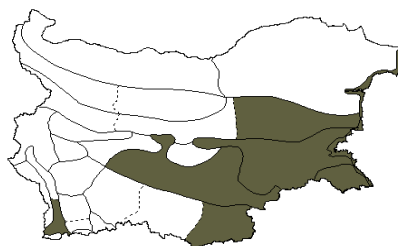
2000



Bal-Ap

### ***Knautia orientalis***

L.



1000

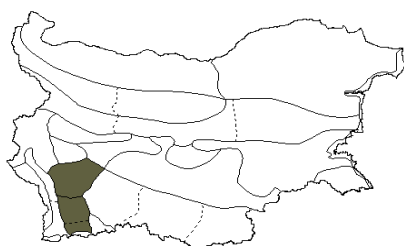


0

Med

### *Kobresia myosuroides*

(Vill.) Fiori



2700

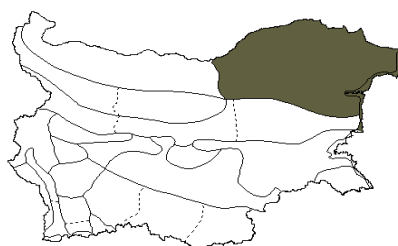


2100

Arct-Alp

### *Koeleria davidovii*

(Acht.) Kožuharov



100

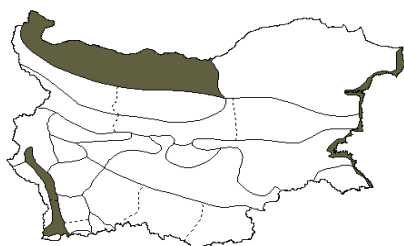


0

Bul

### *Kochia laniflora*

(S. G. Gmel.) Borbás



350

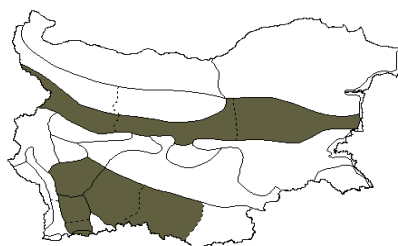


0

Pont-Sib

### *Koeleria eriostachya*

Pančić



2300

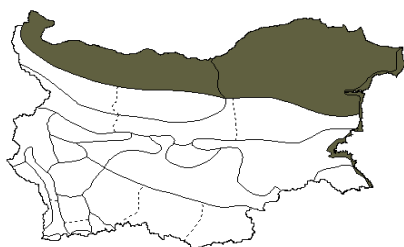


1500

Alp-Bal

### *Kochia prostrata*

(L.) Schrad.



300

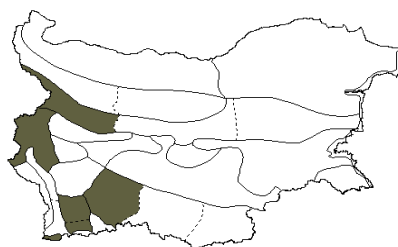


0

Eur-As

### *Koeleria fenziiana*

Schur



2400



300

### *Kochia scoparia*

(L.) Schrad.



1000

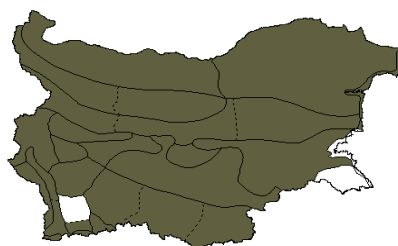


0

Adv

### *Koeleria macrantha*

(Ledeb.) Schult.



1500

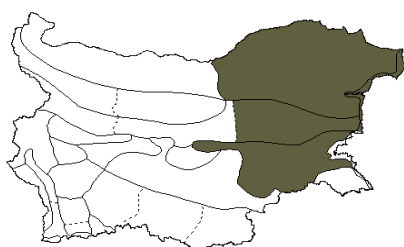


0

Eur

### *Koeleria brevis*

Steven



300

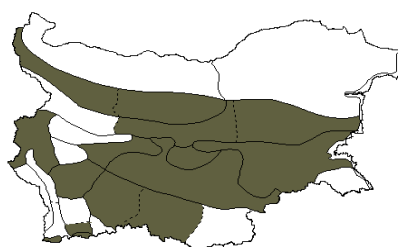


0

Pont-Med

### *Koeleria mitruschii*

Ujhelyi



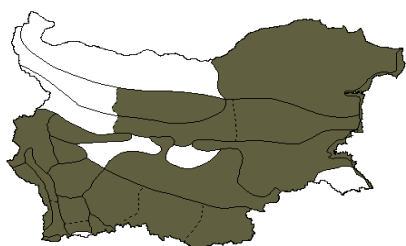
1800



0

### *Koeleria nitidula*

Velen.



900

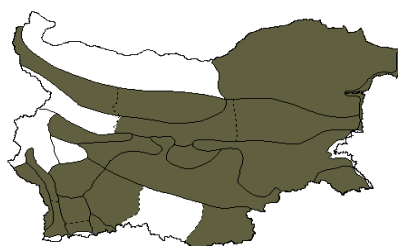


0

Pont

### *Koeleria simonkaii*

Adamović



1300

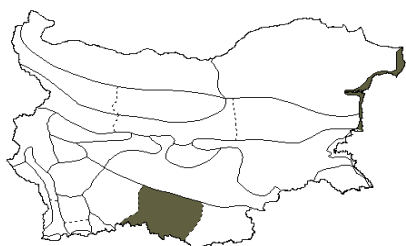


0

Bal

### *Koeleria obscura*

(Velen.) Kožuharov



600

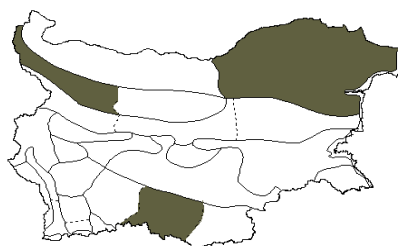


0

Pont-Med

### *Koelreuteria paniculata*

Laxm.



800

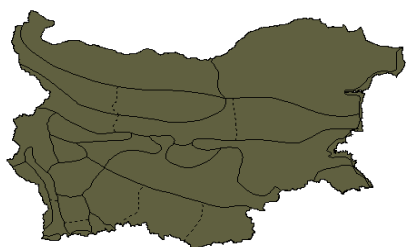


0

Adv (As)

### *Koeleria penzesii*

Ujhelyi



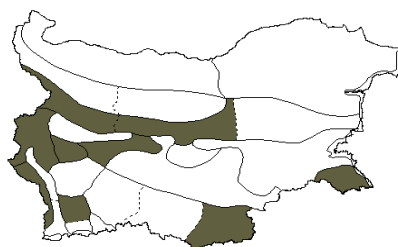
1400



0

### *Lactuca aurea*

(Sch.Bip. ex Pančić) Stebbins



1000

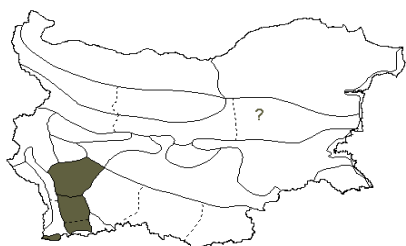


200

Bal-Dac

### *Koeleria pyramidata*

(Lam.) P. Beauv.



2200

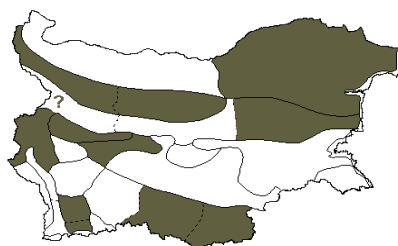


1800

subMed

### *Lactuca perennis*

L.



1000



0

Eur

### *Koeleria schurii*

Ujhelyi



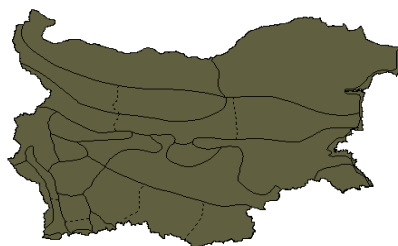
1000



0

### *Lactuca quercina*

L.



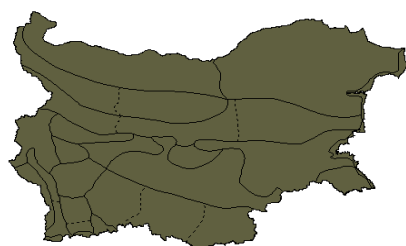
2900



0

Eur

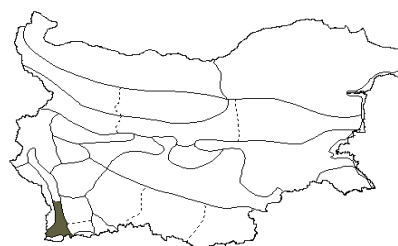
# **Lactuca saligna** L.



1000  
⇕  
0

Pont-OT

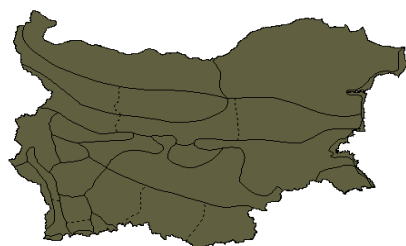
# **Lagurus ovatus** L.



100  
⇕  
0

Pont-Med

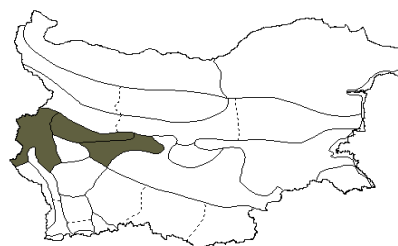
# **Lactuca serriola** L.



1000  
⇕  
0

Eur-As

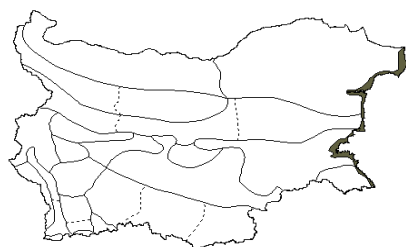
# **Lamium album** L.



800  
⇕  
500

Eur-Sib

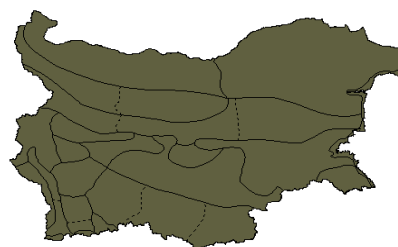
# **Lactuca tatarica** (L.) C. A. Mey.



200  
⇕  
0

Pont-As

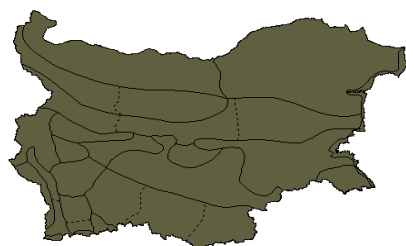
# **Lamium amplexicaule** L.



1000  
⇕  
0

Eur-As

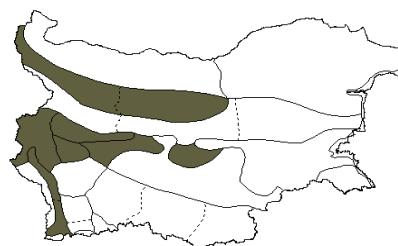
# **Lactuca viminea** (L.) J. & C. Presl



1000  
⇕  
0

Eur-Med

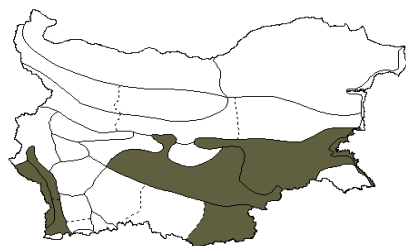
# **Lamium bifidum** Cyr.



1000  
⇕  
200

Med

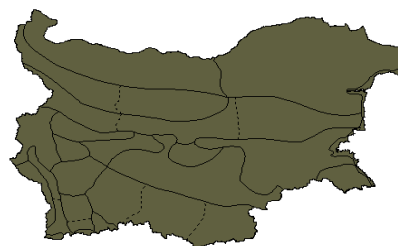
# **Lagoecia cuminoides** L.



500  
⇕  
0

Med-OT

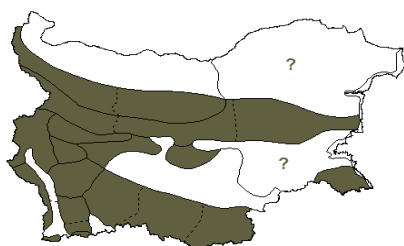
# **Lamium galeobdolon** (L.) L.



1500  
⇕  
0

Med

### Lamium garganicum L.



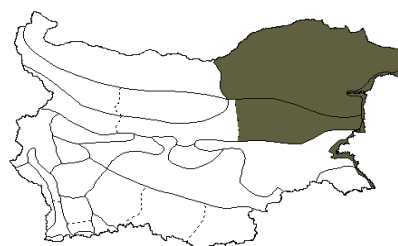
2900



700

Med

### Lappula marginata (M. Bieb.) Gürke



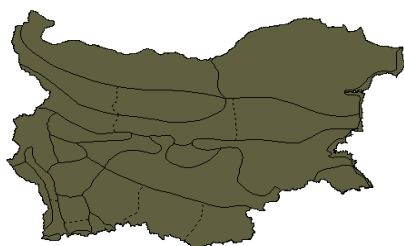
300



0

Eur-As

### Lamium maculatum L.



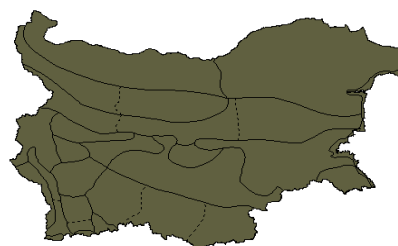
2000



0

subBoreal

### Lappula squarrosa (Retz.) Dumort.



1000



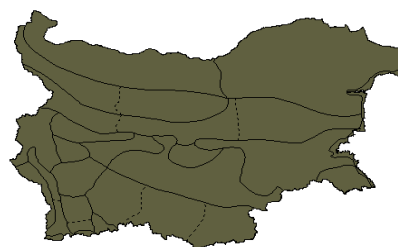
0

subBoreal

### Lamium moshcatum Mill.



### Lapsana communis L.



2000



0

Eur-Sib

### Lamium purpureum L.



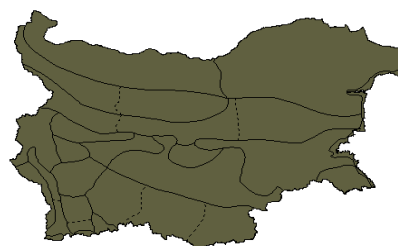
1000



0

Eur-Med

### Laser trilobum (L.) Borkh.



1400



0

Eur-Med

### Lappula barbata (M. Bieb.) Gürke



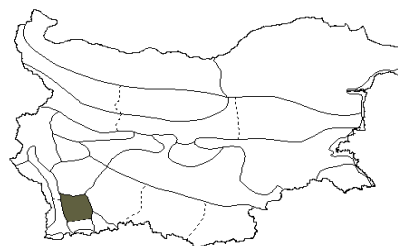
1000



0

Med-CAs

### Laserpitium archangelica Wulfen



1000



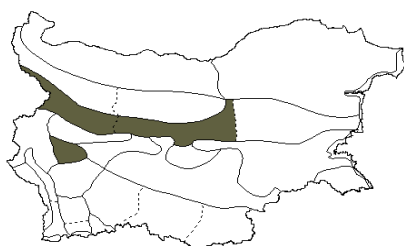
1000



Carp-Bal

### Laserpitium krapfii

Crantz



2100

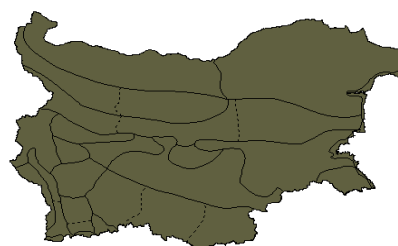


1000

Alp-Carp-Bal

### Lathraea squamaria

L.



2000

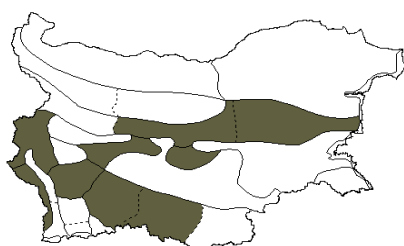


0

Eur-As

### Laserpitium latifolium

L.



1600

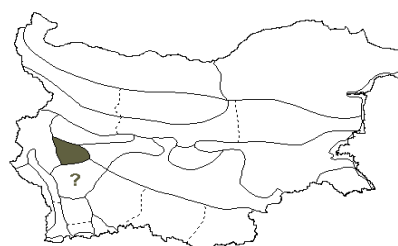


1100

subMed

### Lathyrus alpestris

(Waldst. & Kit.) Kit. ex Čelak.



2500

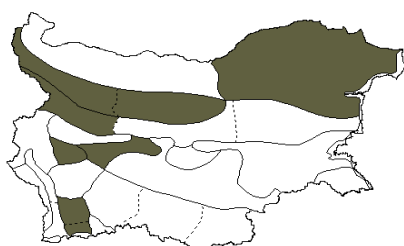


1500

Bal

### Laserpitium prutenicum

L.



1400

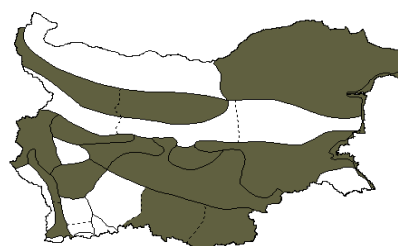


0

Eur-Med

### Lathyrus annuus

L.



800

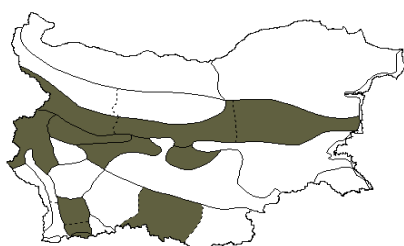


0

Eur-As

### Laserpitium siler

L.



1800

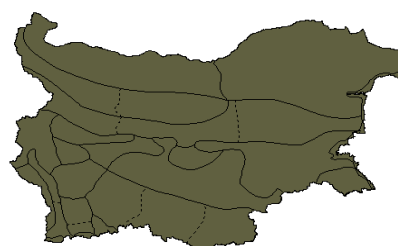


1000

subMed

### Lathyrus aphaca

L.



1000

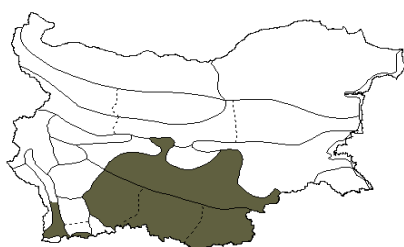


0

subBoreal

### Lathraea rhodopea

Dingl.



1650



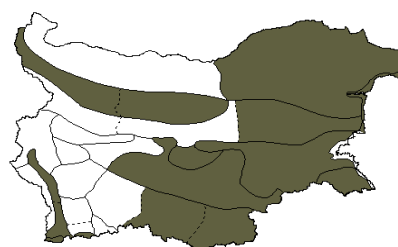
200



Bal

### Lathyrus aureus

(Steven) Brândză



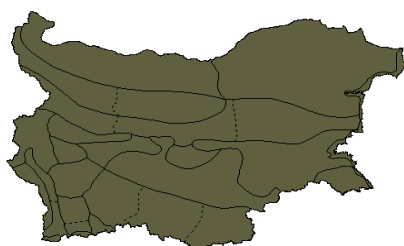
600



0

Eux

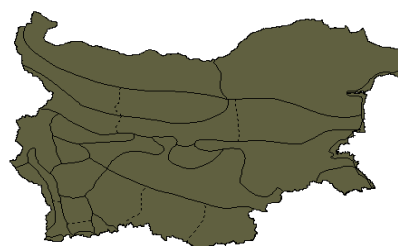
**Lathyrus cicera**  
L.



800  
⇕  
0

subMed

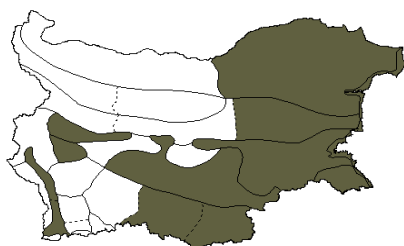
**Lathyrus hirsutus**  
L.



800  
⇕  
0

Eur-Med

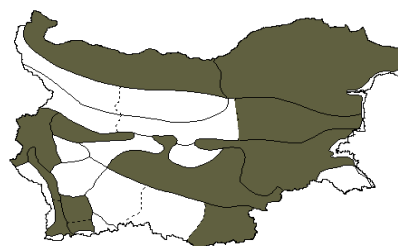
**Lathyrus digitatus**  
(M. Bieb.) Fiori



800  
⇕  
0

Med

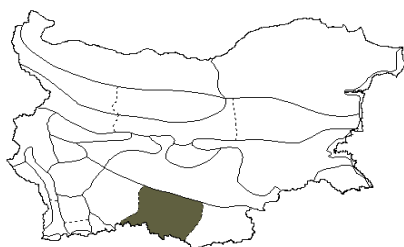
**Lathyrus inconspicuus**  
L.



500  
⇕  
0

Med-Cas

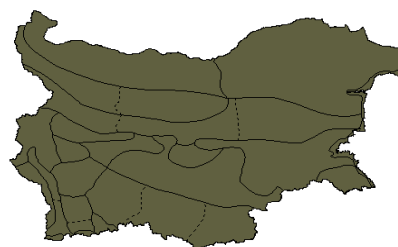
**Lathyrus filiformis**  
(Lam.) Gay



1750  
⇕  
1250

Med

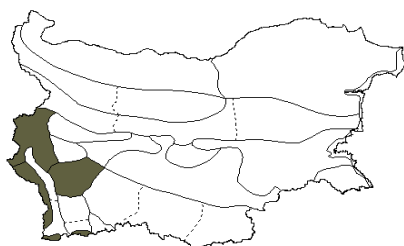
**Lathyrus latifolius**  
L.



900  
⇕  
0

Eur-Med

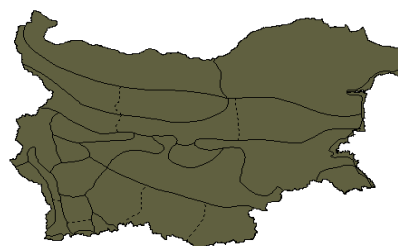
**Lathyrus grandiflorus**  
Sm.



1300  
⇕  
100

Med-Anat

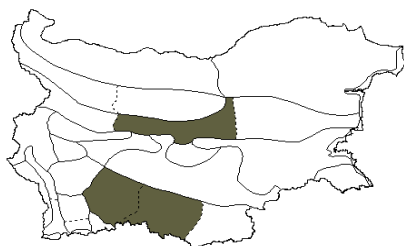
**Lathyrus laxiflorus**  
(Desf.) Kuntze



1900  
⇕  
0

subMed

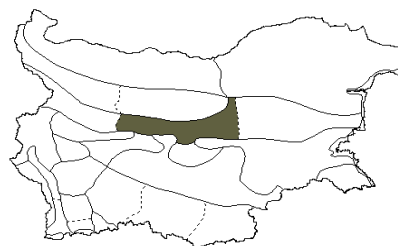
**Lathyrus hallersteinii**  
Baumg.



1000  
⇕  
0

SEur

**Lathyrus linifolius**  
(Rchb.) Bässler



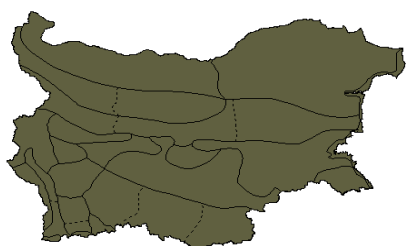
1800  
⇕  
1500

Eur



### **Lathyrus niger**

(L.) Bernh.



1200

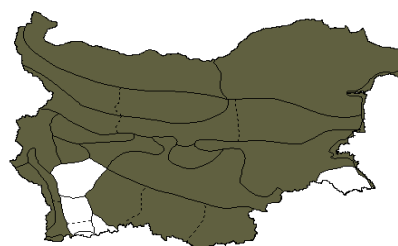


0

Eur-Med

### **Lathyrus pannonicus**

(Jacq.) Garcke



800



0

subMed-Sib

### **Lathyrus nissolia**

L.



1000

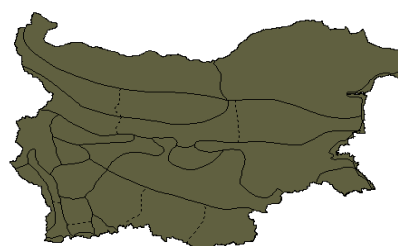


0

Eur-subMed

### **Lathyrus pratensis**

L.



1500

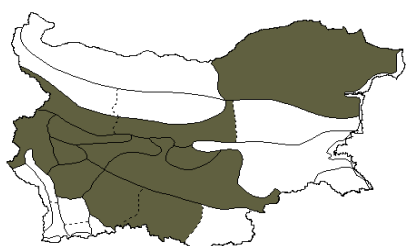


0

subBoreal

### **Lathyrus pallescens**

(M. Bieb.) C. Koch



1000

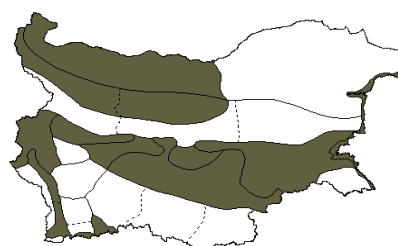


0

subMed

### **Lathyrus sativus**

L.



800

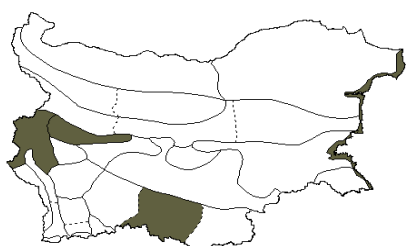


0

subMed

### **Lathyrus palustris**

L.



1100

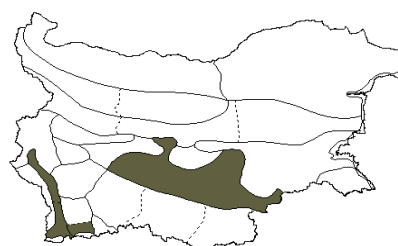


0

Eur-As

### **Lathyrus saxatilis**

(Vent.) Vis.



200

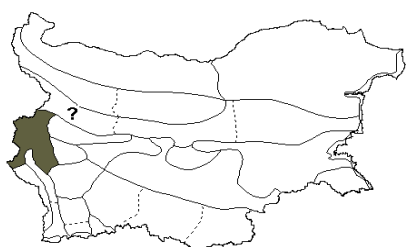


0

Med

### **Lathyrus pancicii**

(Jurišić) Adamović



700

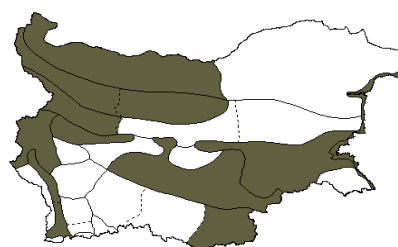


0

Bal

### **Lathyrus setifolius**

L.



800

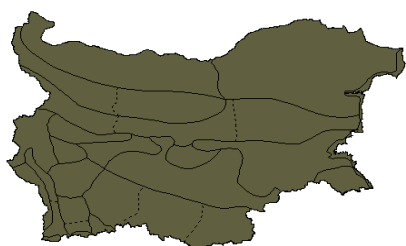


0

Pont-Med

### **Lathyrus sphaericus**

Retz.



1000



0

Eur-As

### **Lathyrus vernus**

Bernh.



1200

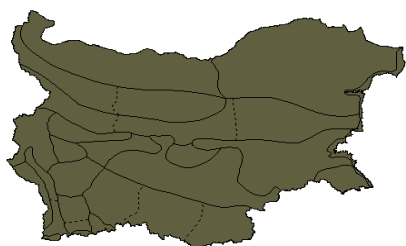


0

Eur-Sib

### **Lathyrus sylvestris**

L.



800

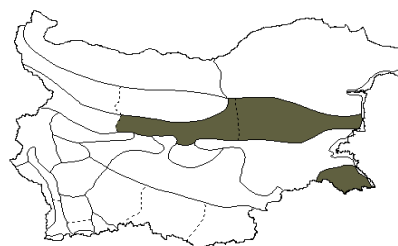


0

Eur-subMed

### **Laurocerasus officinalis**

M. Roem.



1400

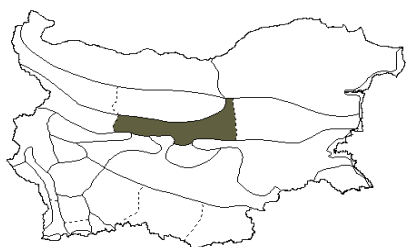


200

Eux

### **Lathyrus transsilvanicus**

(Spreng.) Fritsch



1600

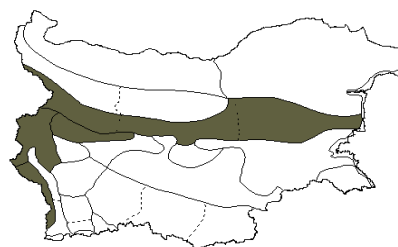


0

Carp-Bal

### **Lavandula angustifolia**

Mill.



1000

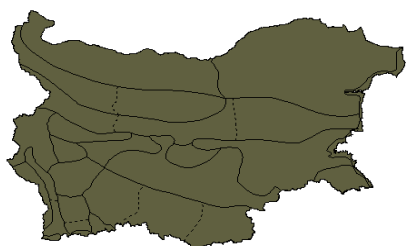


500

Adv (Med)

### **Lathyrus tuberosus**

L.



1000

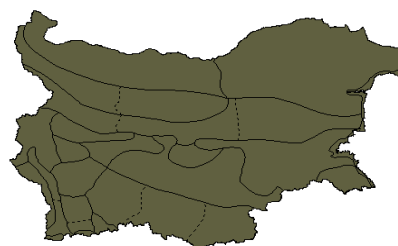


0

Eur-As

### **Lavatera thuringiaca**

L.



1600



0

Pont-Sib

### **Lathyrus venetus**

(Mill.) Wohlf.



1500

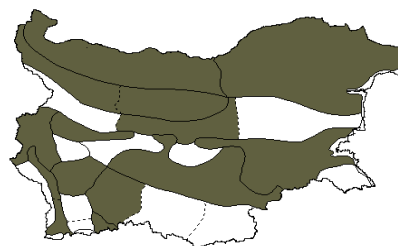


0

Eur-Med

### **Leersia oryzoides**

(L.) Sw.



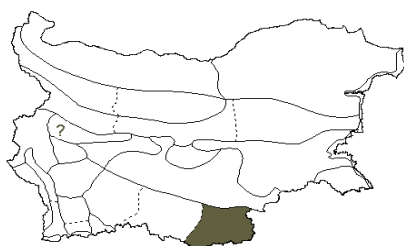
1100



0

subBoreal

**Legousia pentagonia**  
(L.) Thell.



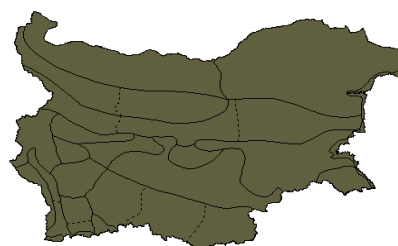
500



100

Med

**Lemna trisulca**  
L.



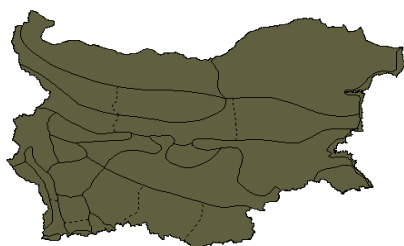
1000



0

Kos

**Legousia speculum-veneris**  
(L.) Chaix



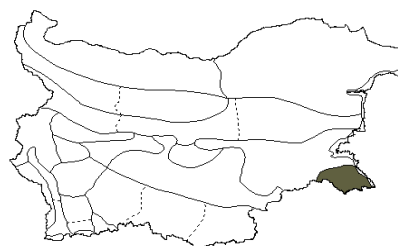
1000



0

Eur-Med

**Lens ervoides**  
(Brign.) Grande



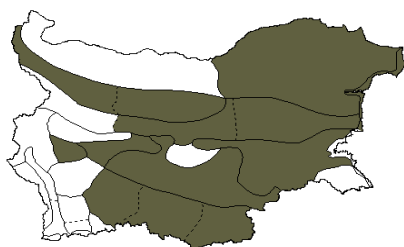
300



0

Med

**Lembotropis nigricans**  
(L.) Griseb.



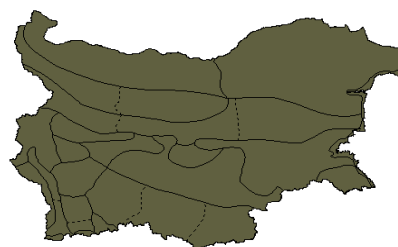
1000



0

Eur-Med

**Lens nigricans**  
(M. Bieb.) Godr.



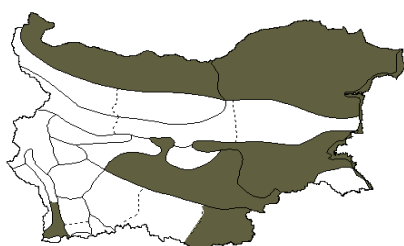
1000



100

Pont-Med

**Lemna gibba**  
L.



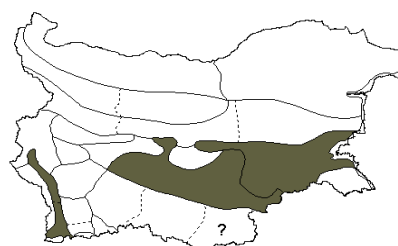
300



0

Kos

**Leontice leontopetalum**  
L.



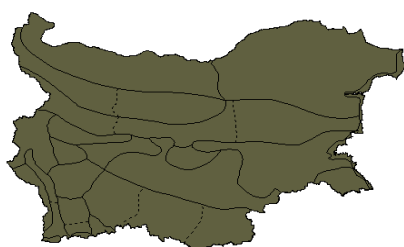
300



0

Med

**Lemna minor**  
L.



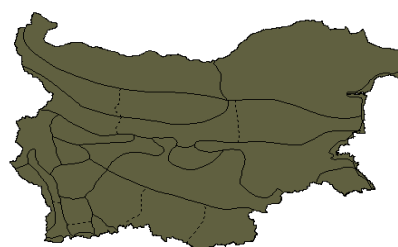
1000



0

Kos

**Leontodon autumnalis**  
L.



2800

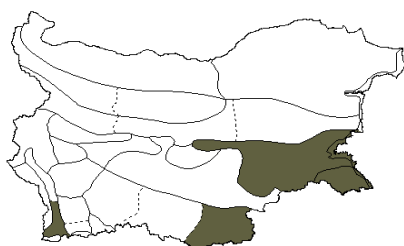


1000

Eur-Sib

### Leontodon cichoraceus

(Ten.) Sanguin.



500

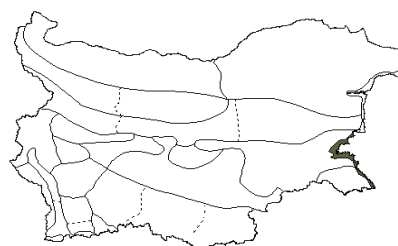


0

subMed

### Leontodon tuberosus

L.



100



0

Med

### Leontodon crispus

Vill.



2800

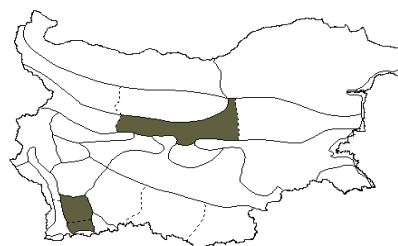


0

Pont-Med

### Leontopodium alpinum

Cass.



2900



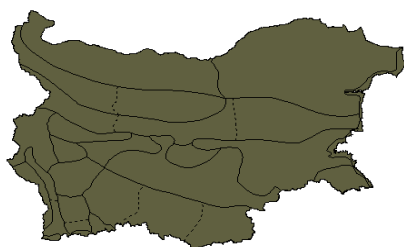
1800



Alp-Med

### Leontodon hispidus

L.



2000

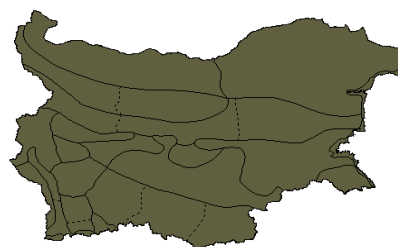


0

Eur-Med

### Leonurus cardiaca

L.



1000

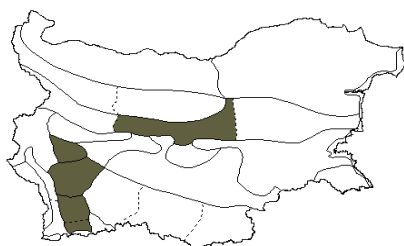


0

Eur-As

### Leontodon rilaensis

Hayek



2500

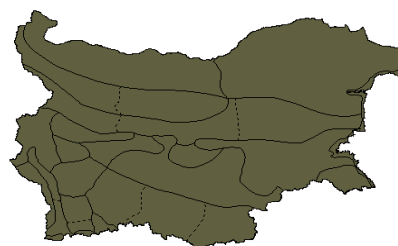


2000

Bul

### Leonurus marrubiastrum

L.



1000

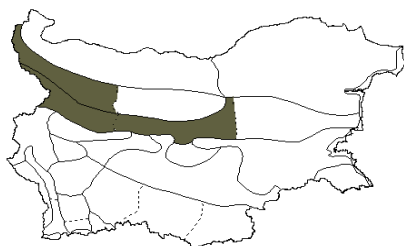


0

Eur-As

### Leontodon saxatilis

Lam.



500

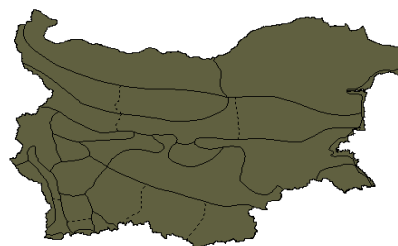


400

Eur

### Lepidium campestre

(L.) R. Br.



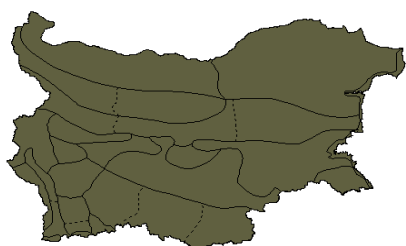
1200



0

Eur-subMed

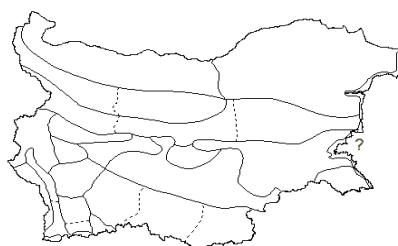
# **Lepidium graminifolium** L.



1000  
⇕  
0

Eur-Med

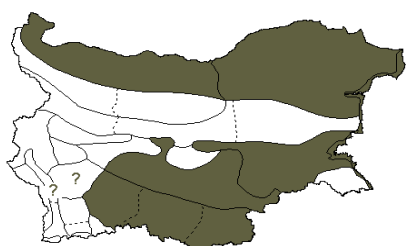
# **Lepidium spinosum** Ard.



200  
⇕  
0

EMed-Anat

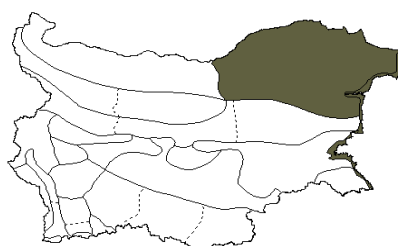
# **Lepidium latifolium** L.



1000  
⇕  
0

Eur-Med

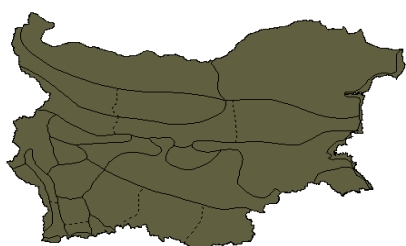
# **Lepidotrichum uechtritizianum** (Bornm.) Velen.



100  
⇕  
0  
!

Pont

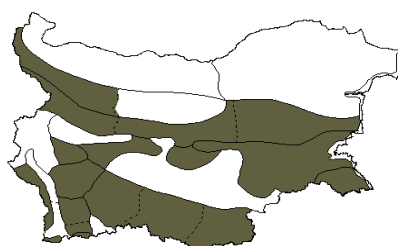
# **Lepidium perfoliatum** L.



1500  
⇕  
0

Eur-CAs

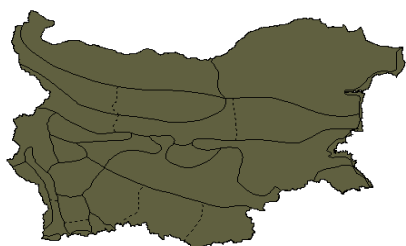
# **Lerchenfeldia flexuosa** (L.) Schur



2500  
⇕  
800

Boreal

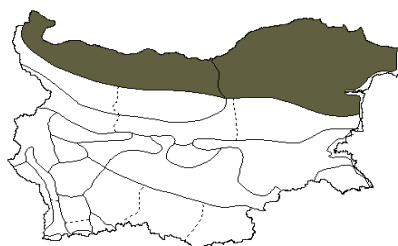
# **Lepidium ruderae** L.



1500  
⇕  
0

Eur-As

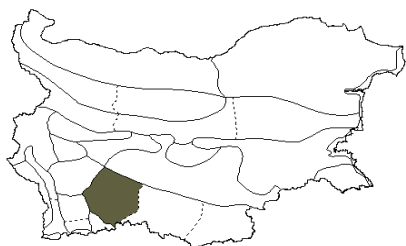
# **Leucanthemella serotina** (L.) Tzvelev



200  
⇕  
0

Eur

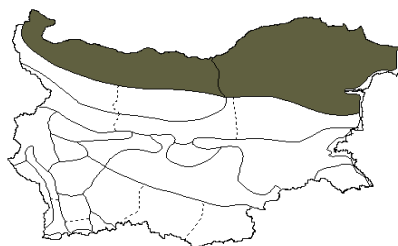
# **Lepidium sativum** L.



1400  
⇕  
0

Eur

# **Leucanthemum pallens** (Gay) DC.

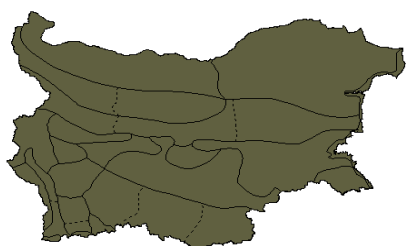


500  
⇕  
0

Med-subMed

# **Leucanthemum vulgare**

Lam.



2000

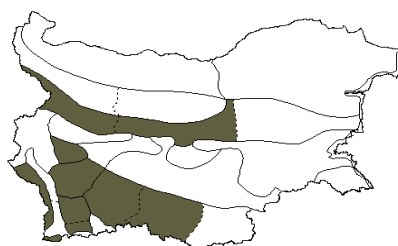


0

Eur-Sib

# **Ligusticum mutellina**

(L.) Crantz



2900

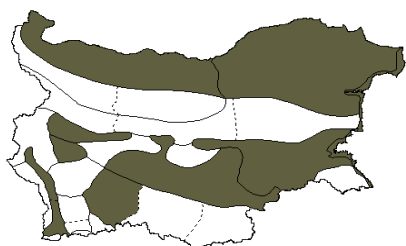


1800

Alp-Carp-Bal

# **Leucojum aestivum**

L.



300

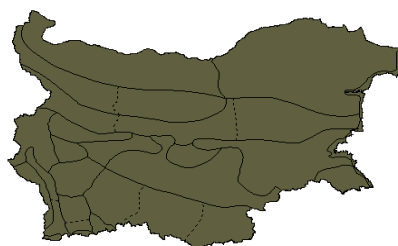


0

Eur

# **Ligustrum vulgare**

L.



1500

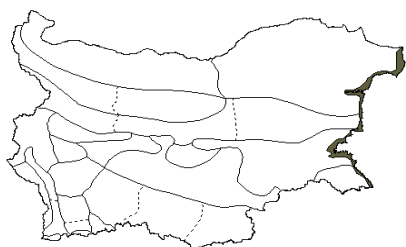


0

subMed

# **Leymus racemosus**

(Lam.) Tzvelev



0

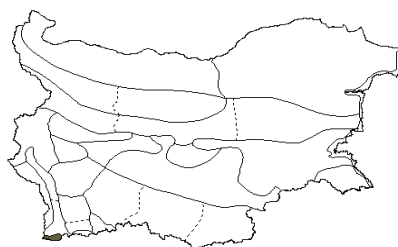


0

Pont-Sib

# **Lilium albanicum**

Griseb.



1500



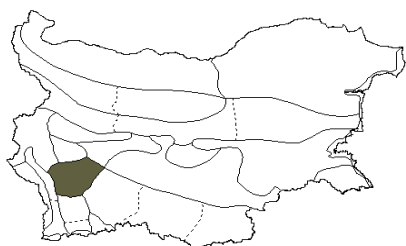
1500



Bal

# **Ligularia glauca**

(L.) Hoffm.



2000



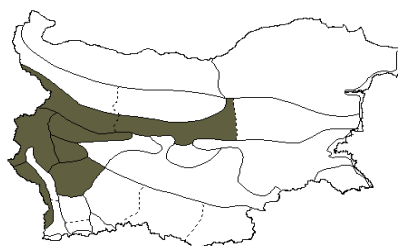
1600



Carp-Bal-Alp

# **Lilium jankae**

A. Kern.



2900



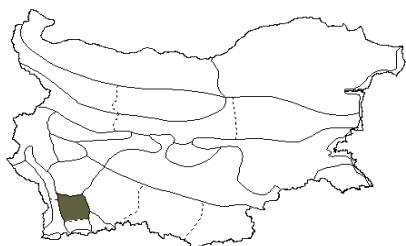
1500



Bal-Carp

# **Ligularia sibirica**

(L.) Cass.



1000



0



Eur-Sib

# **Lilium martagon**

L.



2000

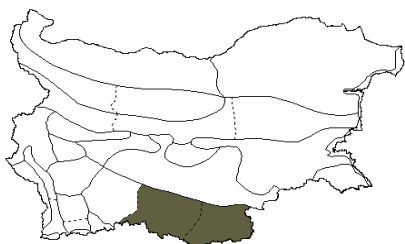


0

Eur-As

### *Lilium rhodopaeum*

Delip.



2900



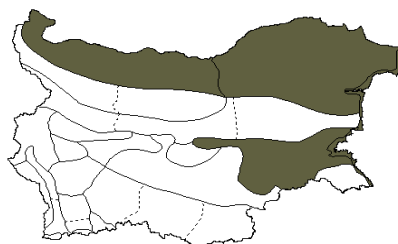
1000



Bal

### *Limonium latifolium*

(Sm.) Kuntze



250



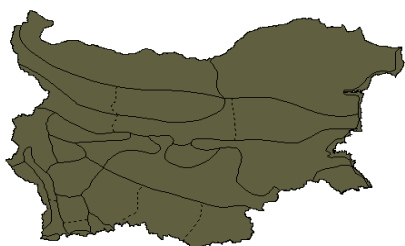
0



Pont

### *Limodorum abortivum*

(L.) Schwarz



900



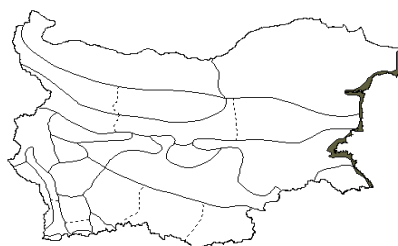
0



Med

### *Limonium meyeri*

(Boiss.) Kuntze



150



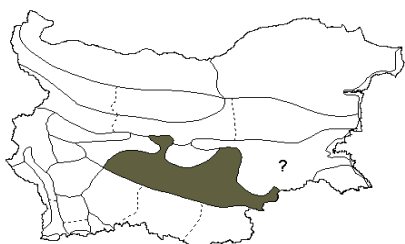
0



Pont-CAs

### *Limonium asterotrichum*

(Salmon) Salmon



450



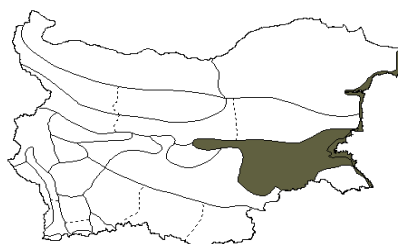
450



Bul

### *Limonium vulgare*

Mill.



250



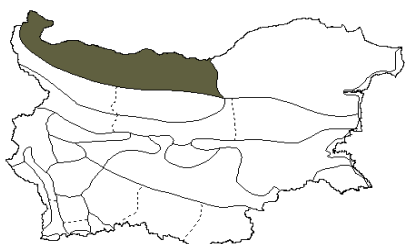
0



Eur

### *Limonium bulgaricum*

Ančev



250



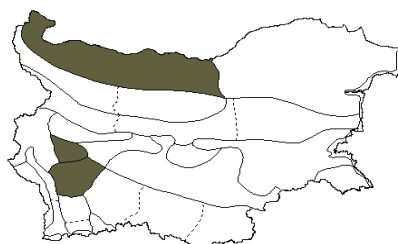
200



Bul

### *Limosella aquatica*

L.



1000



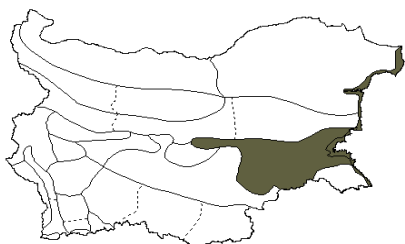
0



Kos

### *Limonium gmelinii*

(Willd.) Kuntze



150



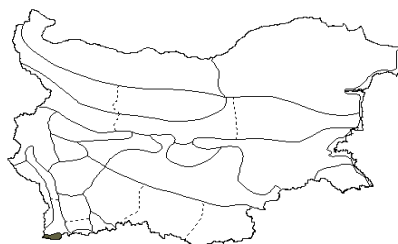
0



Eur-As

### *Linaria angustissima*

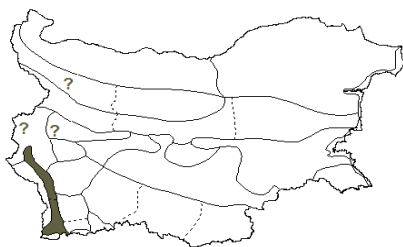
(Loisel.) Borbás



subMed

### *Linaria arvensis*

(L.) Desf.



500

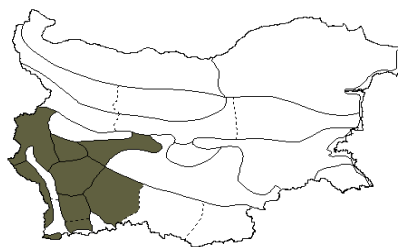


0

subMed

### *Linaria grandiflora*

Desf.



1800

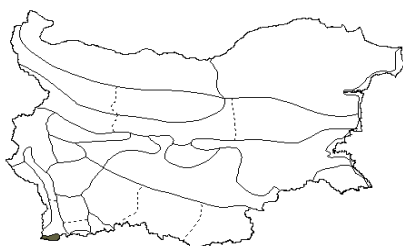


600

Bal-Anat

### *Linaria brachyphylla*

Delip.



1700



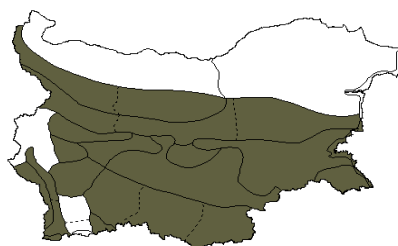
1500



Bul

### *Linaria pelisseriana*

(L.) Mill.



1000

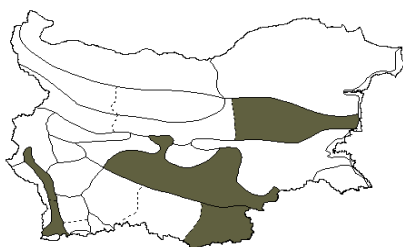


0

Med

### *Linaria chalepensis*

(L.) Mill.



700

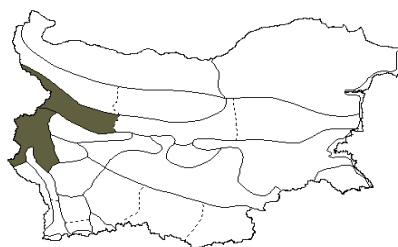


150

Med

### *Linaria rubioides*

Vis. & Pančić



850

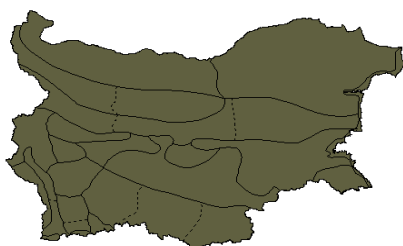


500

Bal

### *Linaria dalmatica*

(L.) Mill.



1800

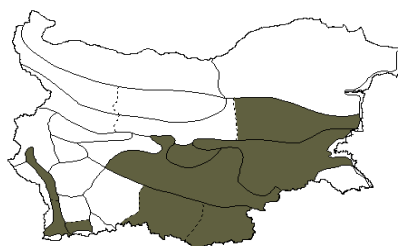


0

Med

### *Linaria simplex*

(Willd.) DC.



800



100

Med

### *Linaria genistifolia*

(L.) Mill.



1800



0

Pont-Sib

### *Linaria vulgaris*

Mill.



1800



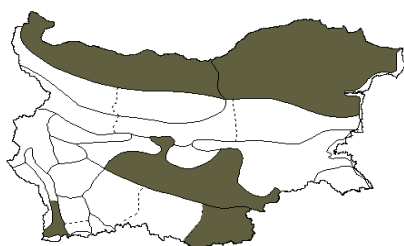
0

Eur-Sib



# **Lindernia dubia**

(L.) Pennell



500

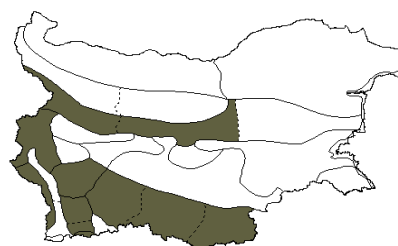


0

Adv (NAm)

# **Linum capitatum**

Kit. ex Schult.



2200

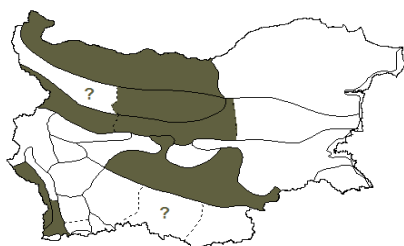


1000

Ap-Bal

# **Lindernia procumbens**

(Krock.) Philcox



1000



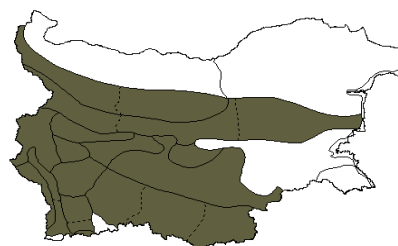
0



Eur-As

# **Linum catharticum**

L.



2600

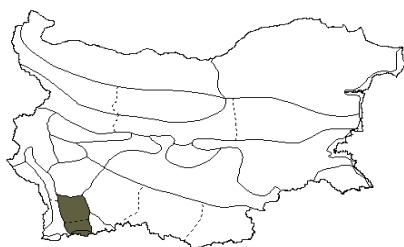


200

subBoreal

# **Linum alpinum**

Jacq.



2900

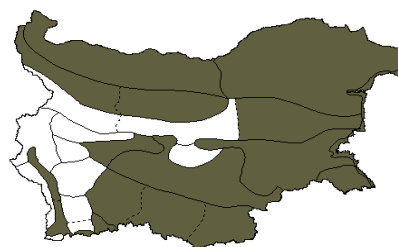


1400

Alp-Med

# **Linum corymbulosum**

Rchb.



800

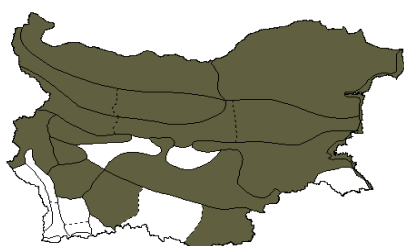


0

Med

# **Linum austriacum**

L.



1000

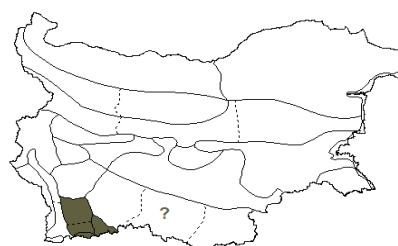


0

subMed

# **Linum elegans**

Spruner ex Boiss.



2000



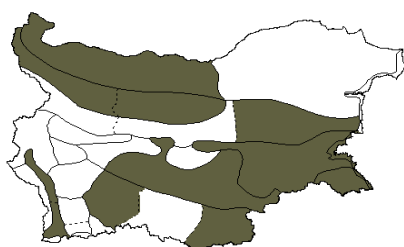
500



Bal

# **Linum bienne**

Mill.



700

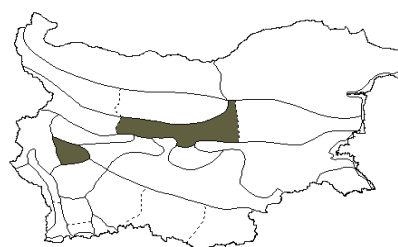


0

Med

# **Linum extraaxillare**

Kit.



2000

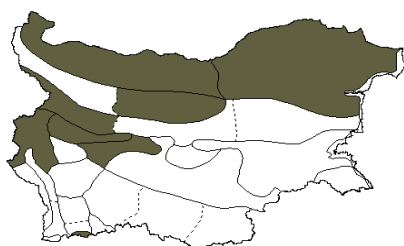


1400



Carp-Bal

**Linum flavum**  
L.



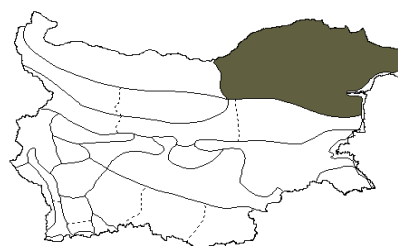
1600



0

subMed

**Linum pallasianum**  
Schult.



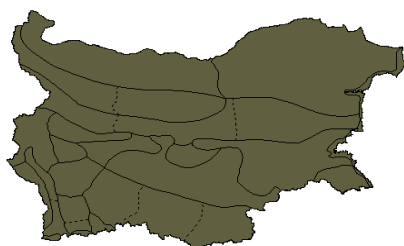
200



0

Pont

**Linum hirsutum**  
L.



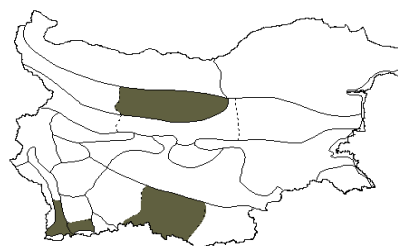
1700



0

subMed

**Linum spathulatum**  
(Halacsy & Bald.) Halacsy

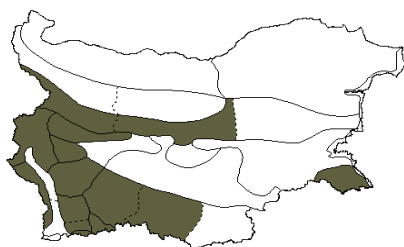


400



0

**Linum hologynum**  
Rchb.



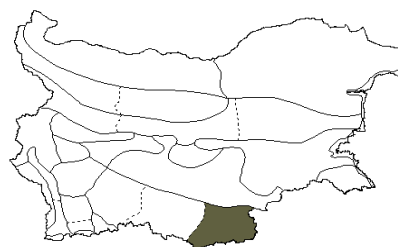
2000



600

subMed

**Linum strictum**  
L.



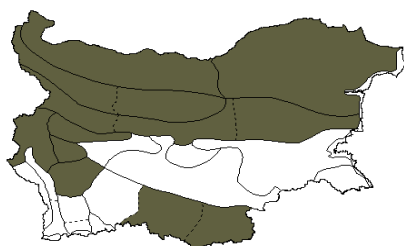
300



0

Med-OT

**Linum nervosum**  
Waldst. & Kit.



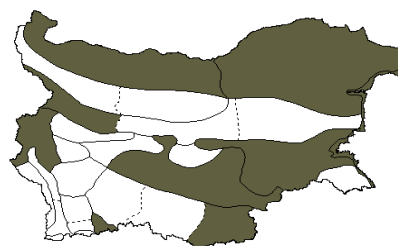
1300



100

subMed

**Linum tauricum**  
Willd.



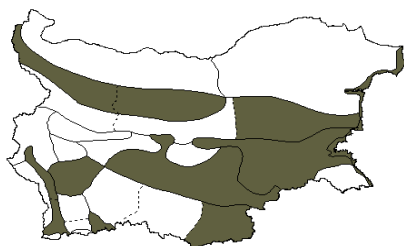
1400



0

Pont-Med

**Linum nodiflorum**  
L.



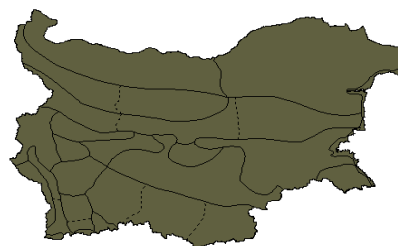
700



0

Med

**Linum tenuifolium**  
L.



1600

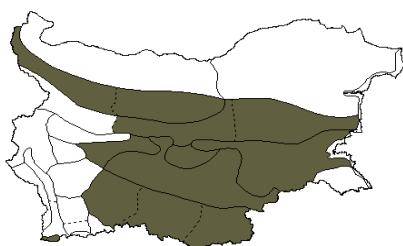


0

Pont-Med

### Linum thracicum

(Griseb.) Degen



1000



200

Bal

### Listera ovata

(L.) R. Br.



1400

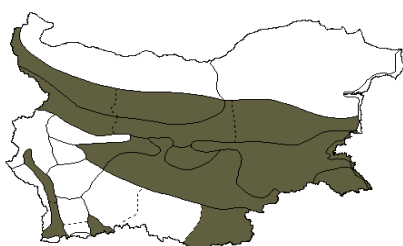


0

Eur-As

### Linum trigynum

L.



900

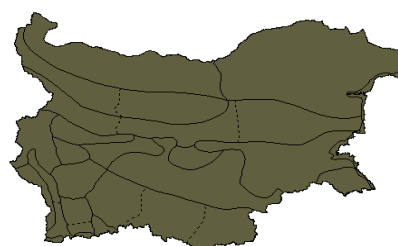


0

subMed

### Lithospermum officinale

L.



2000

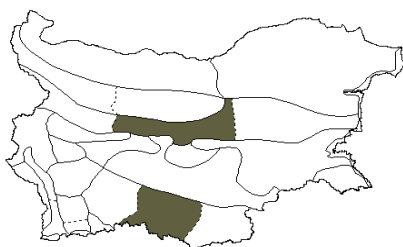


0

Eur-As

### Linum uninerve

(Rochel) Borbás



1600

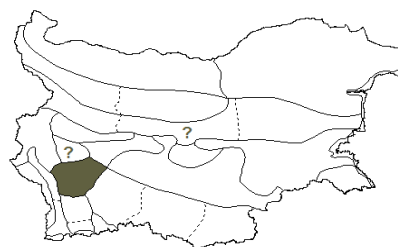


1000

Pont

### Lloydia serotina

(L.) Rchb.



2900



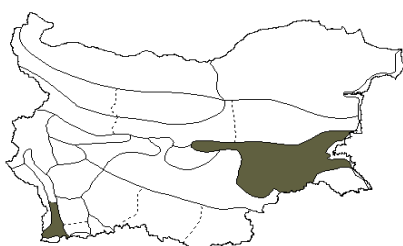
700



Boreal

### Liparis loeselii

(L.) Rich.



500



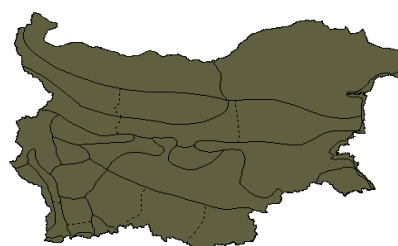
0



Boreal

### Logfia arvensis

(L.) Holub



1000

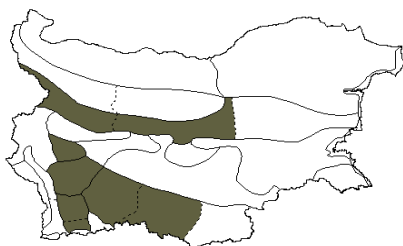


0

Eur-Med

### Listera cordata

(L.) R. Br.



1600



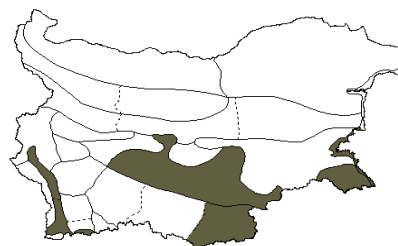
1000



Boreal

### Logfia gallica

(L.) Coss. & Germ.



200



0

subMed

### **Logfia minima**

(Sm.) Dumort.



1000

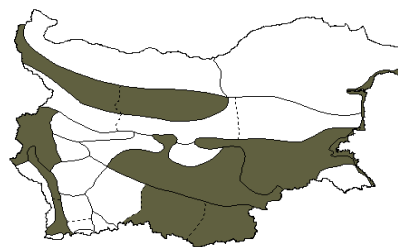


0

Eur-Sib

### **Lolium rigidum**

Gaudin



1000

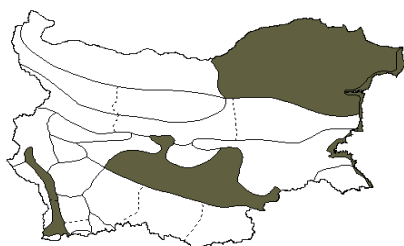


0

Med-As

### **Lolium loliaceum**

(Bory & Chaub.) Hand.-Mazz.



100

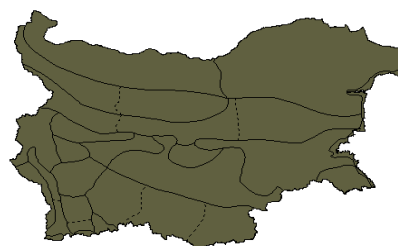


0

Pont-Med

### **Lolium temulentum**

L.



1500

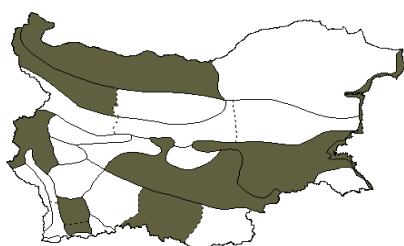


0

Boreal

### **Lolium multiflorum**

Lam.



800

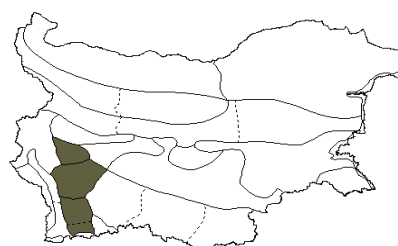


0

subMed

### **Lonicera caerulea**

L.



1700



900

Alp-Med

### **Lolium perenne**

L.



1800

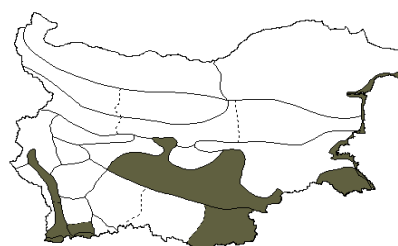


0

Eur-As

### **Lonicera etrusca**

Santi



700

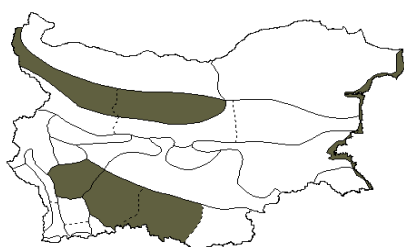


0

Med

### **Lolium remotum**

Schank



1000

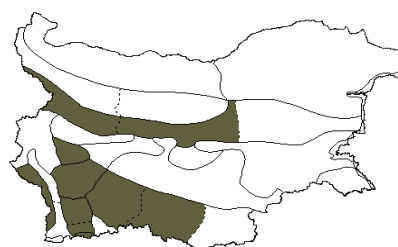


0

Eur-As

### **Lonicera nigra**

L.



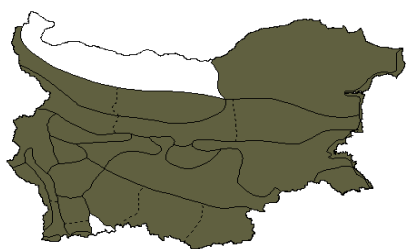
1900



900

Alp-Bal

**Lonicera xylosteum**  
L.



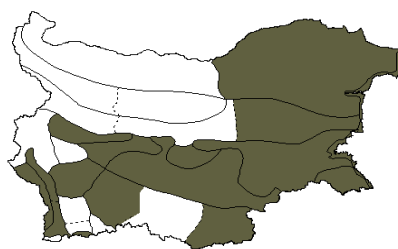
1700



0

Eur-Sib

**Lotus angustissimus**  
L.



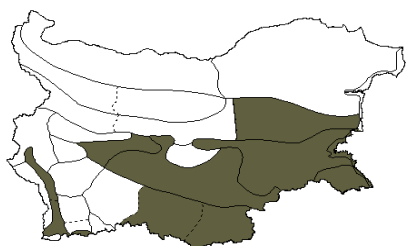
1000



0

Med

**Lophochloa cristata**  
(L.) Hyl.



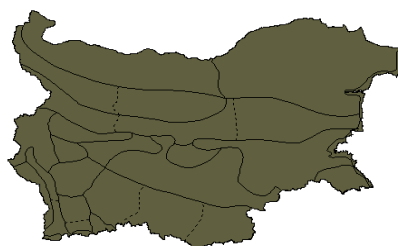
500



0

Med

**Lotus corniculatus**  
L.



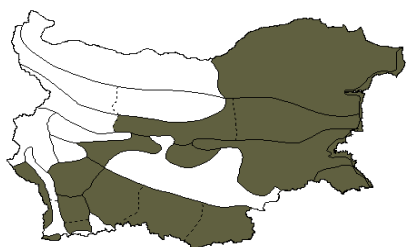
2300



0

Eur-Med

**Loranthus europaeus**  
Jacq.



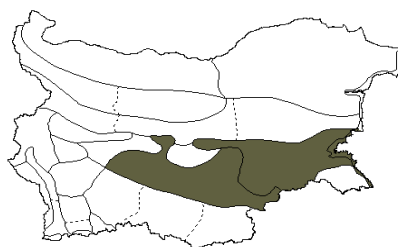
1500



0

Pont-Med

**Lotus strictus**  
Fisch. & C. A. Mey.



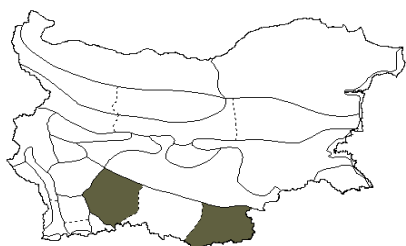
300



0

Pont-Med

**Lotononis genistoides**  
(Fenzl) Benth.



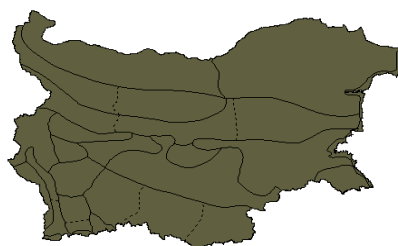
1000



0

Med

**Lotus tenuis**  
Waldst. & Kit.



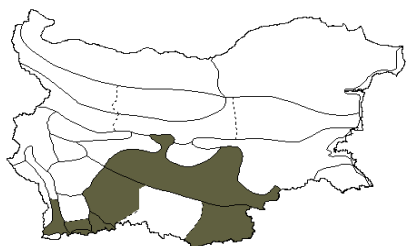
1000



0

Eur-CAs

**Lotus aegaeus**  
(Griseb.) Boiss.



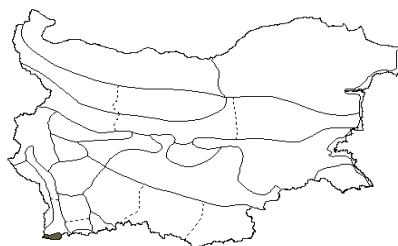
1000



0

Med

**Lotus uliginosus**  
Schkuhr



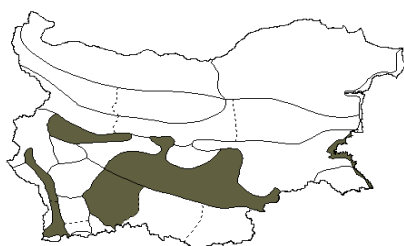
100



0

Eur-Med

**Ludwigia palustris**  
(L.) Elliott



400

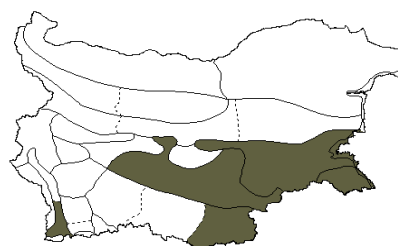


0



Eur-NAm

**Lupinus graecus**  
Boiss. & Spruner



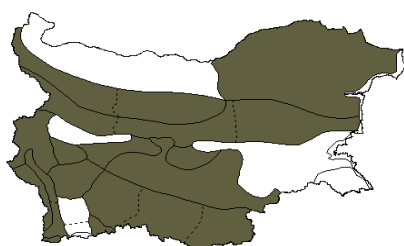
500



0

Bal-Anat

**Lunaria annua**  
L.



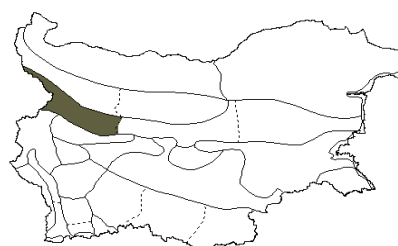
1300



0

Med

**Lupinus polyphyllus**  
Lindl.



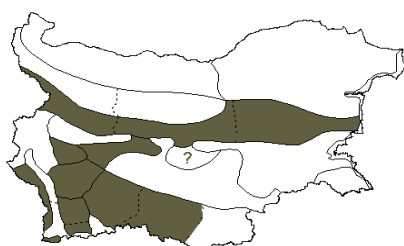
1000



500

Adv (Am)

**Lunaria rediviva**  
L.



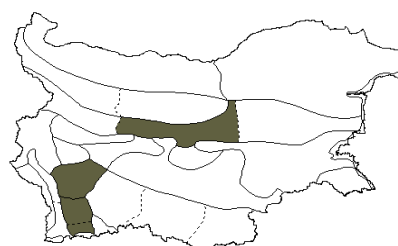
1400



750

Eur

**Luzula alpino-pilosa**  
(Chaix) Breistr.



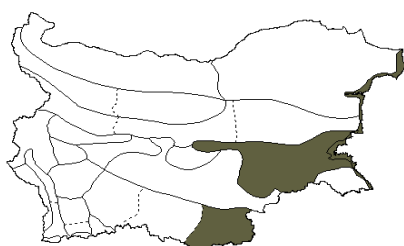
2900



2200

Arct-Alp

**Lupinus albus**  
L.



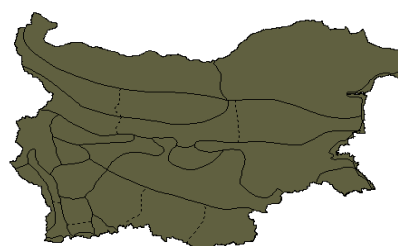
800



0

Med

**Luzula campestris**  
(L.) Lam. & DC.



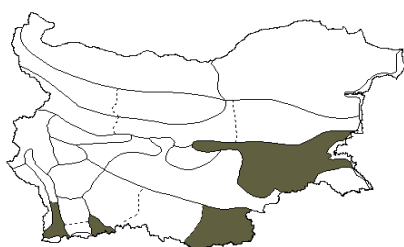
1500



0

subBoreal

**Lupinus angustifolius**  
L.



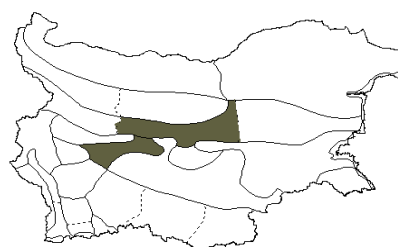
500



0

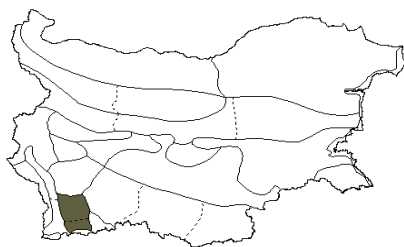
Med

**Luzula divulgata**  
Kirschner



### **Luzula falax**

Kirschner



### **Luzula luzuloides**

(Lam.) Dandy



2500

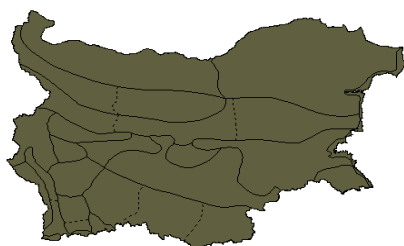


0

Eur

### **Luzula forsteri**

(Sm.) DC.



1500

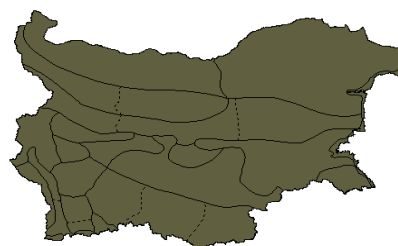


0

Boreal

### **Luzula multiflora**

(Retz.) Lej.



1500

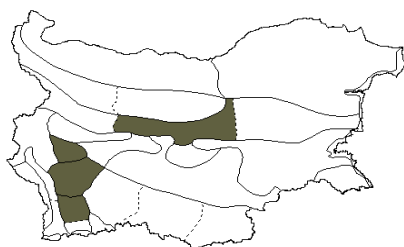


0

Kos

### **Luzula glabrata**

(Hoppe) Desf.



2900



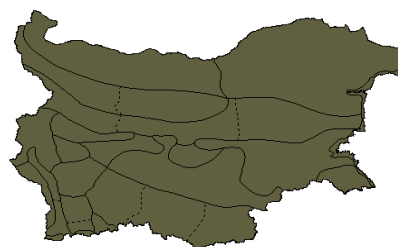
2000



Alp-Bal

### **Luzula pilosa**

(L.) Willd.



1200

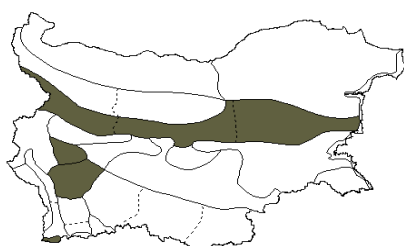


0

Boreal

### **Luzula italica**

Parl.



2300

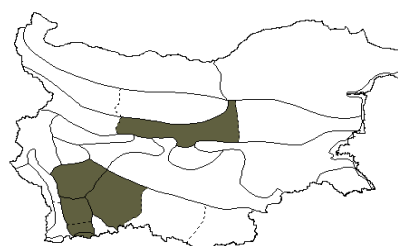


1800

subBoreal

### **Luzula pindica**

(Hausskn.) Chr. & Krs.



2600

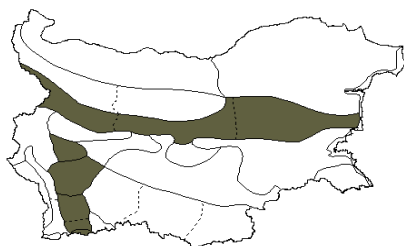


2000

subBoreal

### **Luzula luzulina**

(Vill.) Dalla Torre & Sarnth.



2500

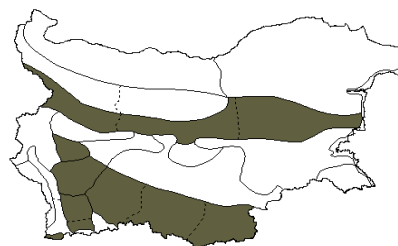


1700

Alp-Med

### **Luzula sudetica**

(Willd.) DC.



2900

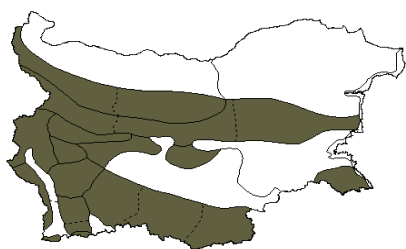


2000

Kos

### *Luzula sylvatica*

(Hudson) Gaudin



1900

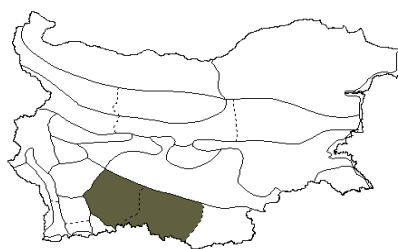


300

Eur

### *Lycopodiella inundata*

(L.) Holub



1600



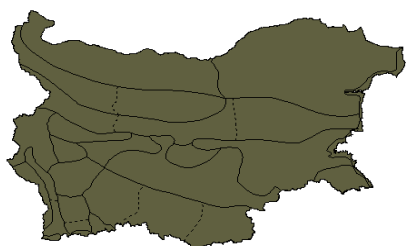
1200



Eur-NAm

### *Lychnis coronaria*

(L.) Desr.



1500

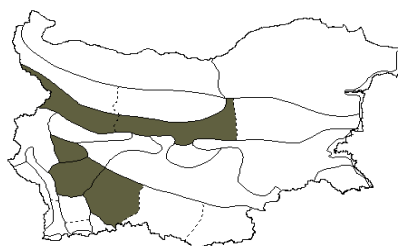


0

Med-OT

### *Lycopodium clavatum*

L.



2200

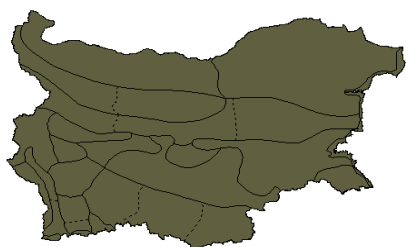


1600

Kos

### *Lychnis flos-cuculi*

L.



1400

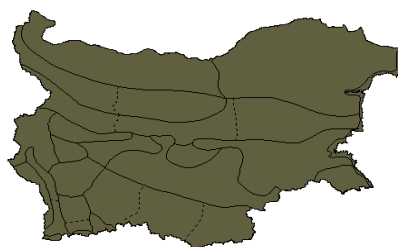


0

Eur-Sib

### *Lycopsis arvensis*

L.



1000

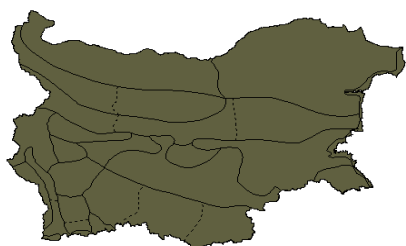


0

Eur-As

### *Lychnis subintegra*

(Hayek) Turrill



1500

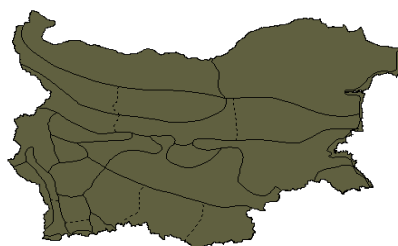


0

Bal

### *Lycopus europaeus*

L.



1000

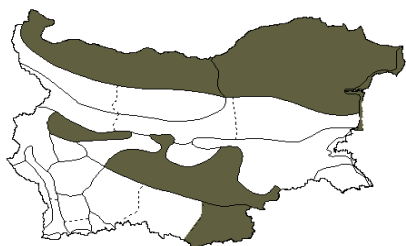


0

Eur-As

### *Lycium barbarum*

L.



500



0

Adv (Med)

### *Lycopus exaltatus*

L. f..



1000

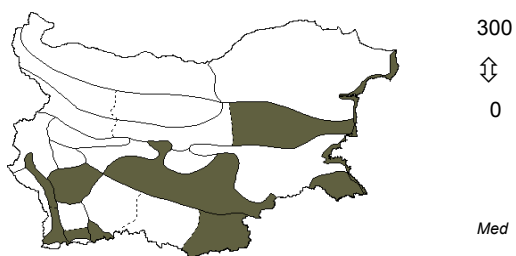


0

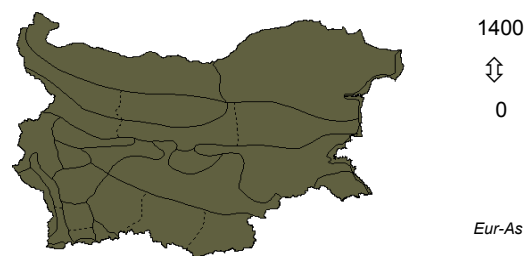
Eur-As



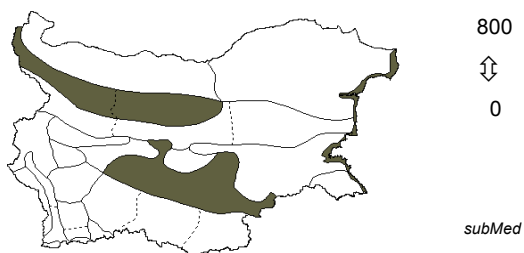
# *Lysimachia atropurpurea* L.



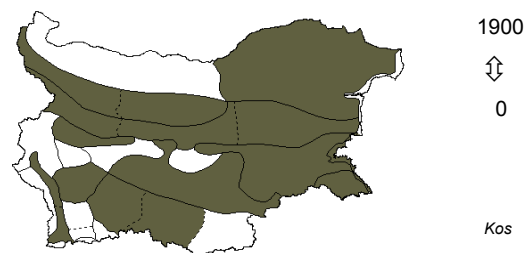
# *Lysimachia vulgaris* L.



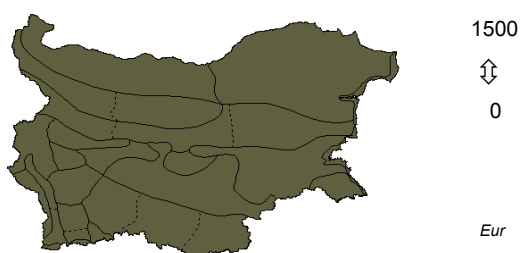
# *Lysimachia dubia* Sol.



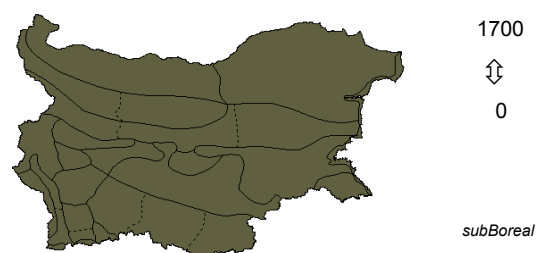
# *Lythrum hyssopifolia* L.



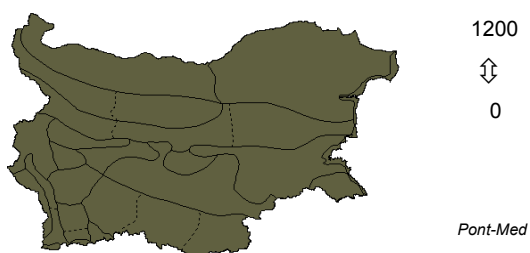
# *Lysimachia nummularia* L.



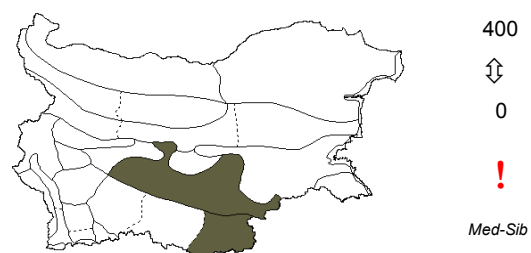
# *Lythrum salicaria* L.



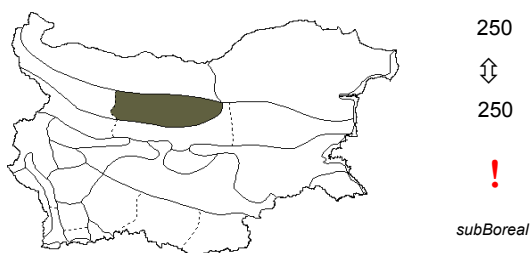
# *Lysimachia punctata* L.



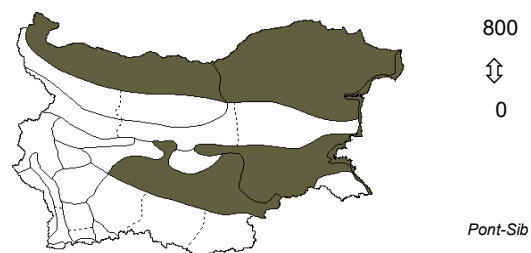
# *Lythrum thymifolia* L.



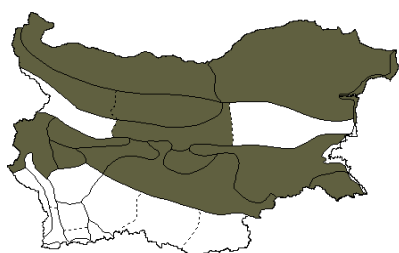
# *Lysimachia thyrsiflora* L.



# *Lythrum tribracteatum* Salzm. ex Spreng.



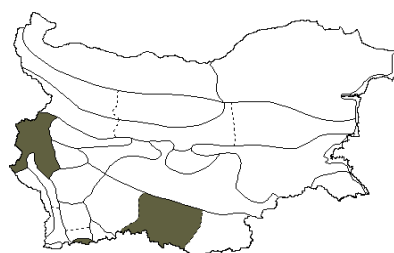
**Lythrum virgatum**  
L.



1500  
⇕  
100

Eur-As

**Malcolmia orsiniana**  
(Ten.) Ten.

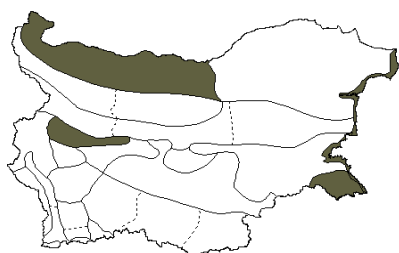


1500  
⇕  
600

!

Bal-Ap

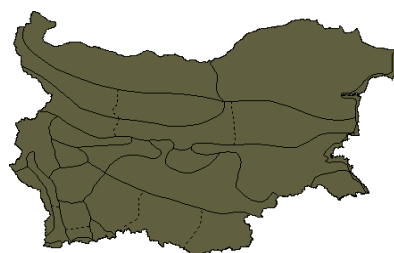
**Mahonia aquifolium**  
(Pursh) Nutt.



700  
⇕  
0

Adv (NAm)

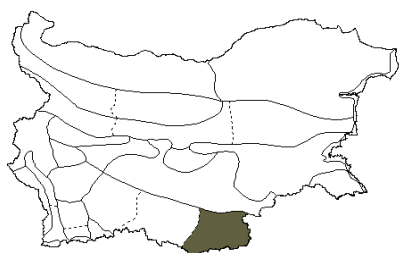
**Malus dasycphylla**  
Borkh.



1500  
⇕  
0

Pann-Pont

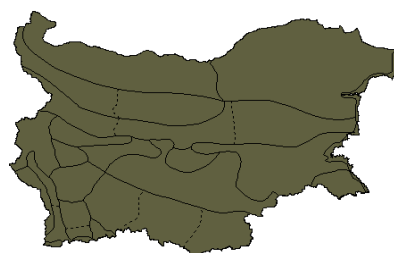
**Malabayla aurea**  
(Sm.) Boiss.



300  
⇕  
0

Med

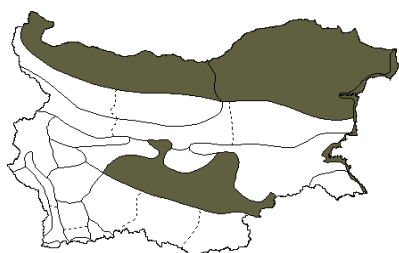
**Malus praecox**  
(Pall.) Borkh.



1500  
⇕  
0

Pont-CAs

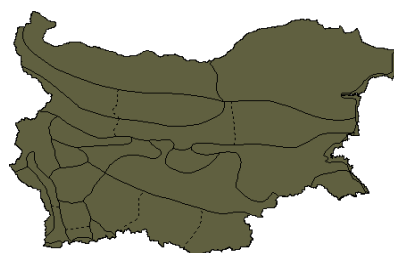
**Malabayla graveolens**  
(M. Bieb.) Hoffm.



1000  
⇕  
0

subMed

**Malus sylvestris**  
Mill.



1500  
⇕  
300

Eur

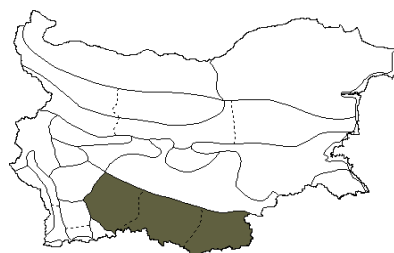
**Malcolmia africana**  
(L.) R.Br.



100  
⇕  
0

Adv (Med)

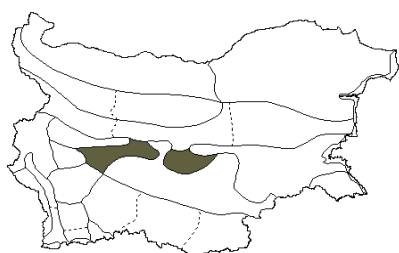
**Malva alcea**  
L.



1100  
⇕  
300

Eur

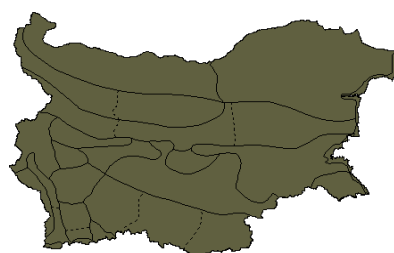
**Malva crispa**  
(L.) L.



1000  
⇕  
1000

Adv (Jap-Ch)

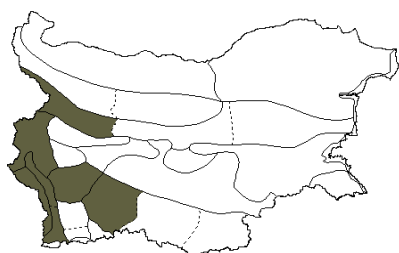
**Malva sylvestris**  
L.



1400  
⇕  
0

Kos

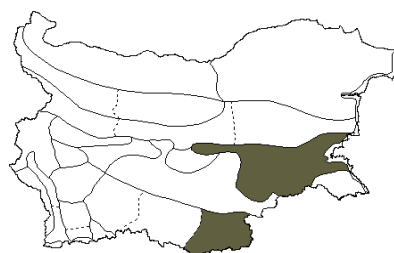
**Malva moschata**  
L.



2000  
⇕  
400

subMed

**Malvella sherardiana**  
(L.) Jaub. & Spach



500  
⇕  
100

Med-OT

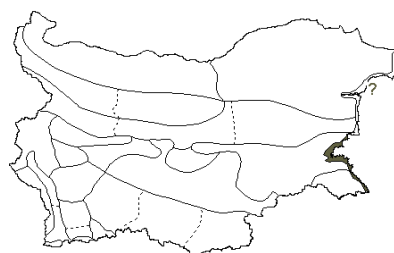
**Malva neglecta**  
Wallr.



1500  
⇕  
0

subMed

**Maresia nana**  
(DC.) Batt.

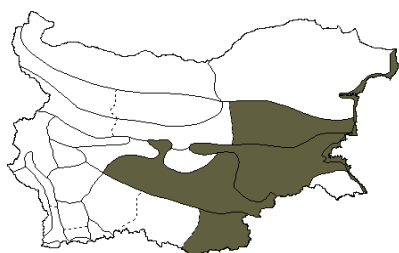


50  
⇕  
0

!

Med

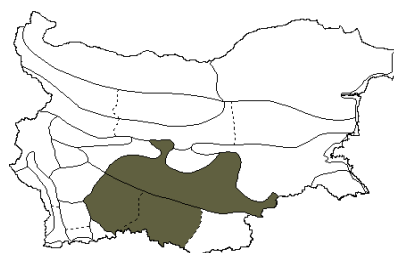
**Malva nicaeensis**  
All.



200  
⇕  
0

subMed

**Marrubium friwaldskyanum**  
Boiss.



1400  
⇕  
200

Bul

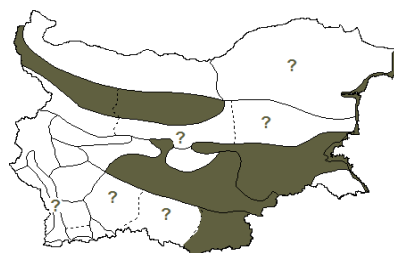
**Malva pusilla**  
Sm.



1000  
⇕  
0

Eur-As

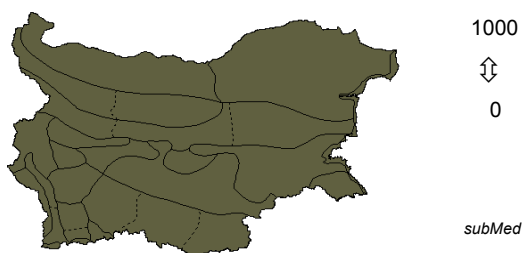
**Marrubium parviflorum**  
Fisch. & C. A. Mey.



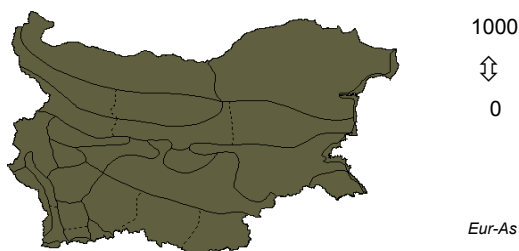
500  
⇕  
0

Med

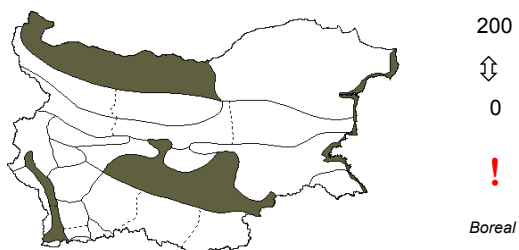
**Marrubium peregrinum**  
L.



**Marrubium vulgare**  
L.



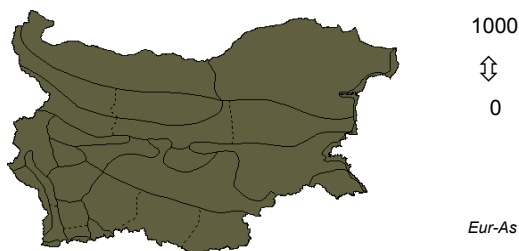
**Marsilea quadrifolia**  
L.



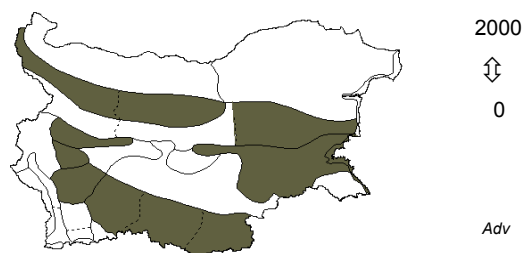
**Matricaria caucasica**  
(Willd.) Poir.



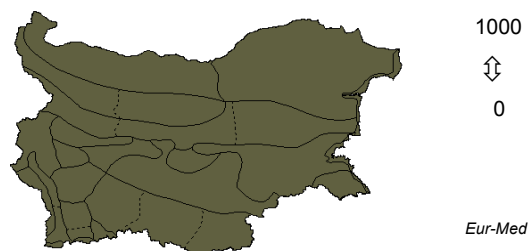
**Matricaria chamomilla**  
L.



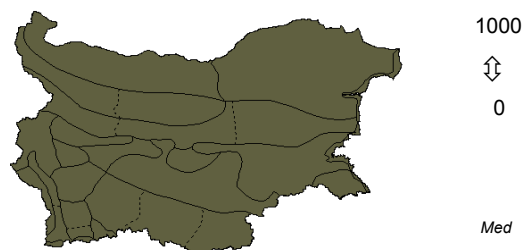
**Matricaria discoidea**  
DC.



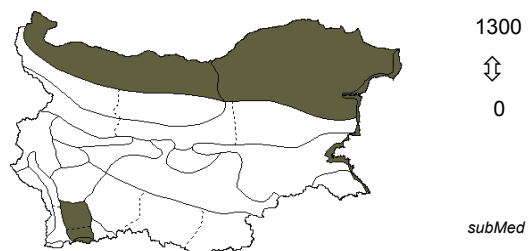
**Matricaria perforata**  
Mérat



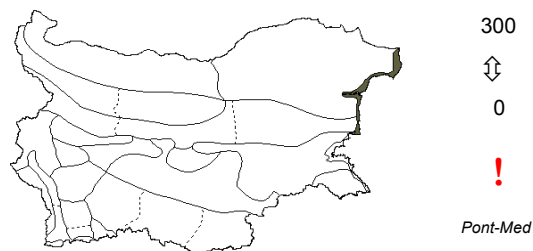
**Matricaria trichophylla**  
(Boiss.) Boiss.



**Matthiola fruticulosa**  
(L.) Maire



**Matthiola odoratissima**  
(M. Bieb.) R. Br.



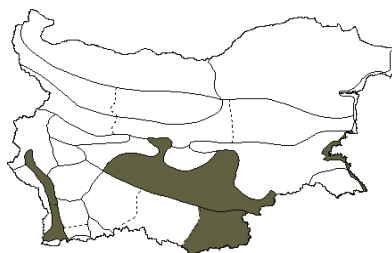
**Medicago arabica**  
(L.) Huds.



1000  
⇕  
0

Eur-Med

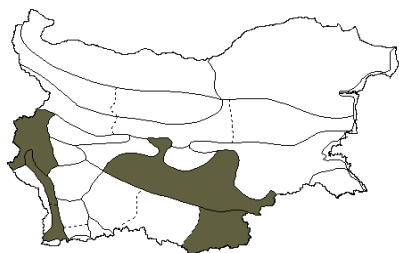
**Medicago disciformis**  
DC.



100  
⇕  
0

Med

**Medicago bondevii**  
Kožuharov



800  
⇕  
0

Bul

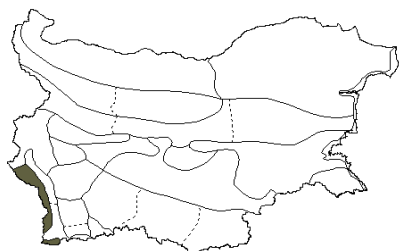
**Medicago falcata**  
L.



1400  
⇕  
0

Eur-As

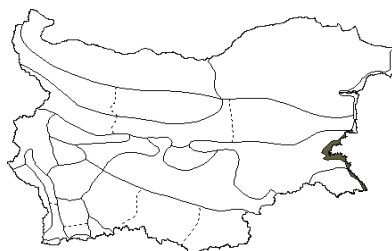
**Medicago carstiensis**  
Wulfen



200  
⇕  
100

Ap-Bal

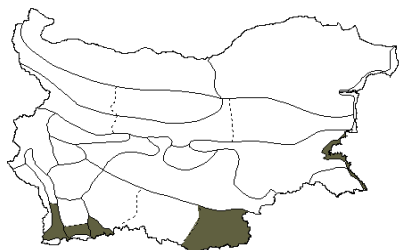
**Medicago littoralis**  
Rihde ex Loisel.



0  
⇕  
0

Pont

**Medicago constricta**  
Durieu



100  
⇕  
0

Med

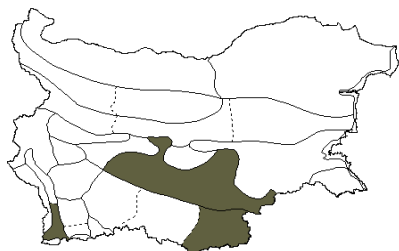
**Medicago lupulina**  
L.



1600  
⇕  
0

Eur-As

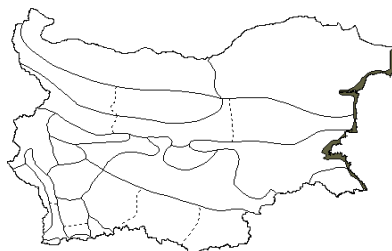
**Medicago coronata**  
(L.) Bartal.



100  
⇕  
0

Med

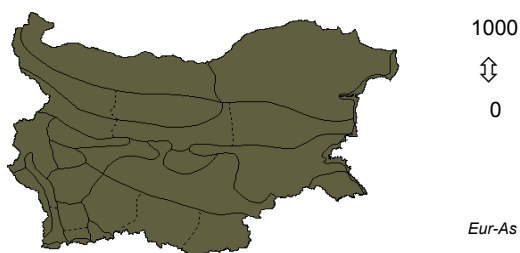
**Medicago marina**  
L.



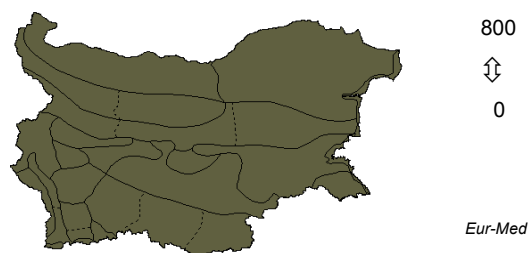
0  
⇕  
0

Med

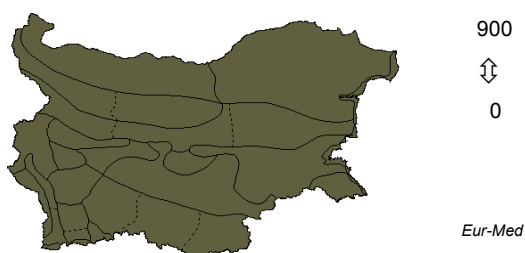
**Medicago minima**  
(L.) Bartal.



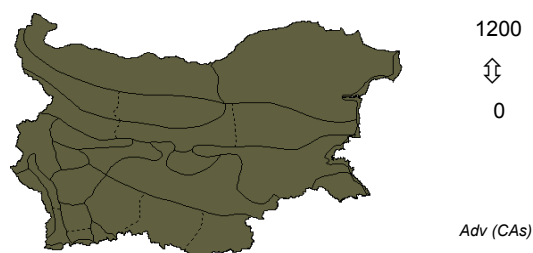
**Medicago rigidula**  
(L.) All.



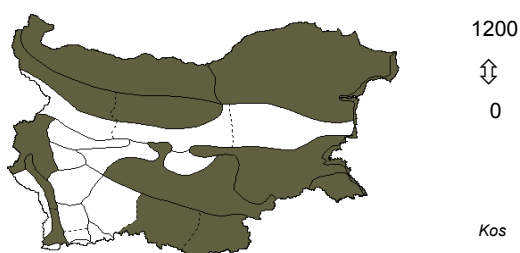
**Medicago orbicularis**  
All.



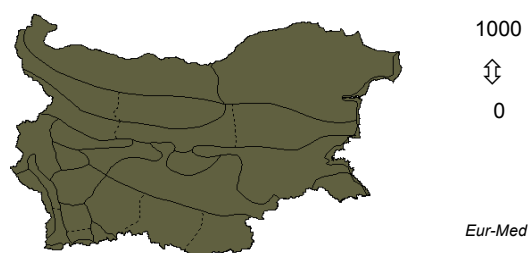
**Medicago sativa**  
L.



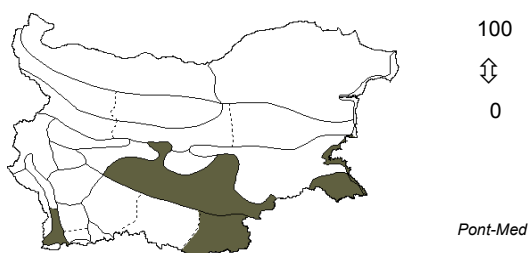
**Medicago polymorpha**  
L.



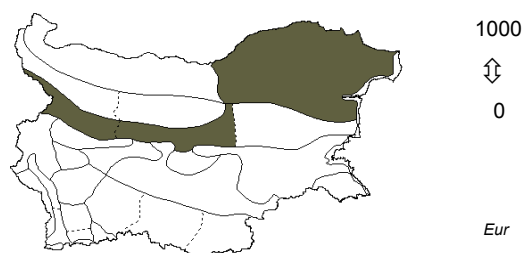
**Melampyrum arvense**  
L.



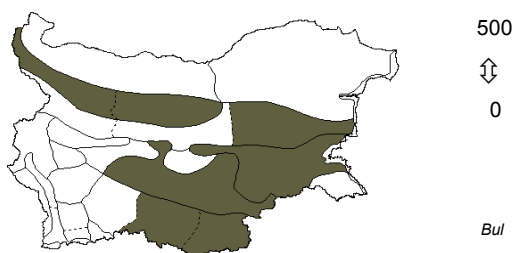
**Medicago praecox**  
DC.



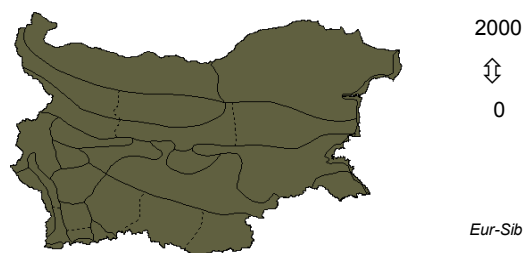
**Melampyrum bihariense**  
A. Kern.



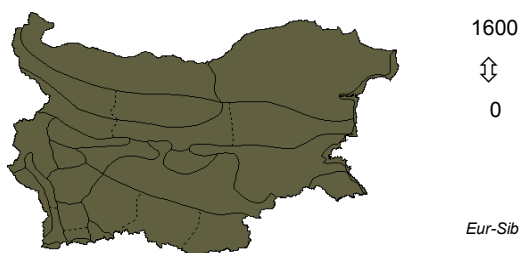
**Medicago rhodopea**  
Velen.



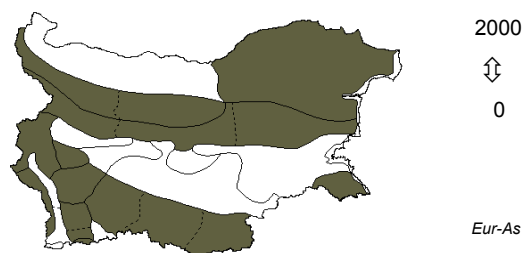
**Melampyrum cristatum**  
L.



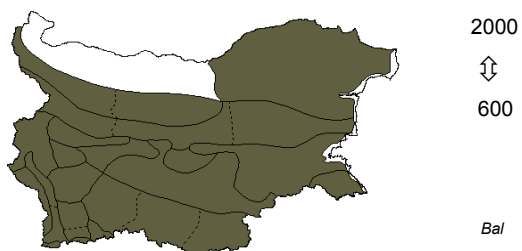
# **Melampyrum pratense** L.



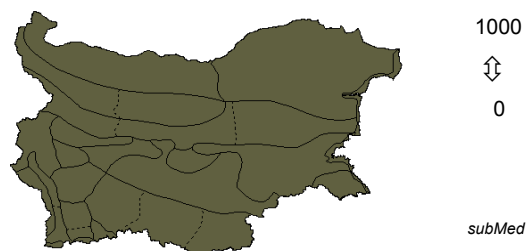
# **Melica nutans** L.



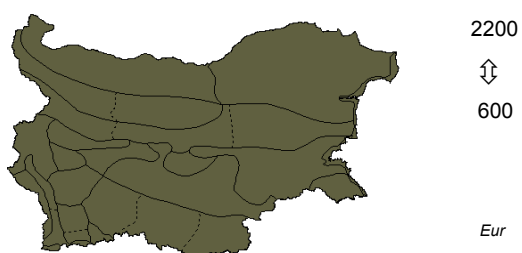
# **Melampyrum scardicum** Wettst.



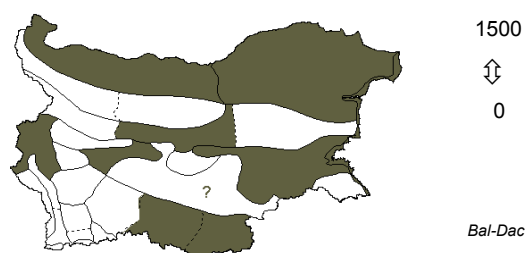
# **Melica picta** C. Koch



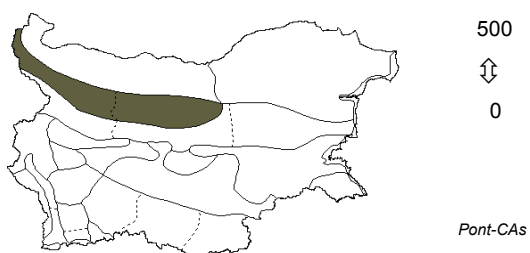
# **Melampyrum sylvaticum** L.



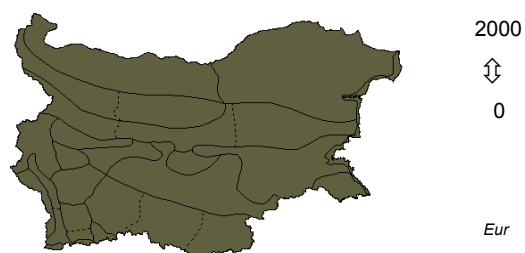
# **Melica transsilvanica** Schur



# **Melica altissima** L.



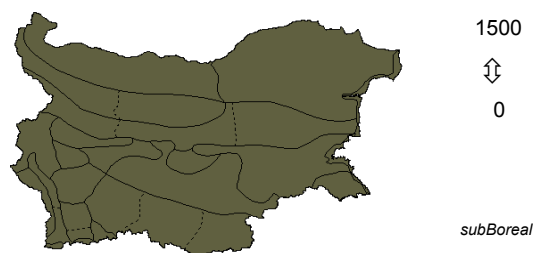
# **Melica uniflora** Retz.



# **Melica ciliata** L.

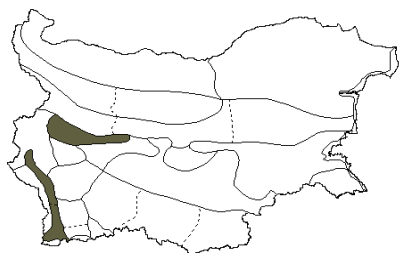


# **Melilotus alba** Medicus



### Melilotus indica

(L.) All.



300



0

Med-CAs

### Mentha aquatica

L.



1000

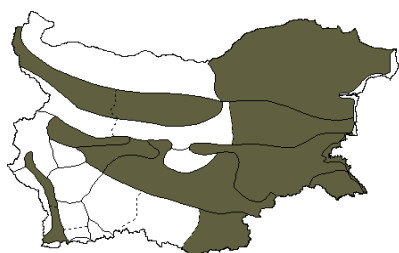


0

Boreal

### Melilotus neapolitana

Ten.



300

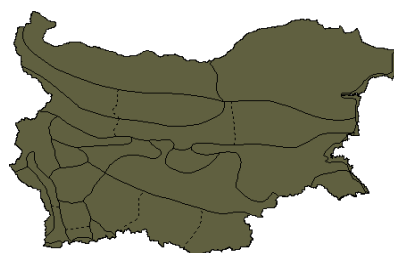


0

subMed

### Mentha arvensis

L.



2000



0

Eur-As

### Melilotus officinalis

(L.) Pall.



1000

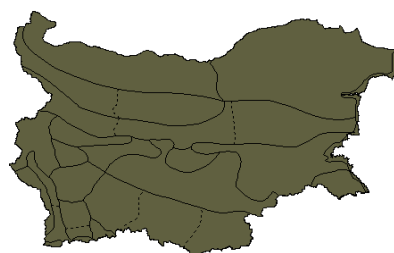


0

Eur-As

### Mentha longifolia

(L.) Huds.



1200



0

Eur-Sib

### Melissa officinalis

L.



1200



0

subMed

### Mentha pulegium

L.



1600



0

Eur-As

### Melittis melissophyllum

L.



1500

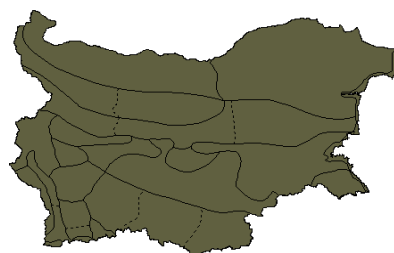


0

Eur

### Mentha spicata

L.



1700

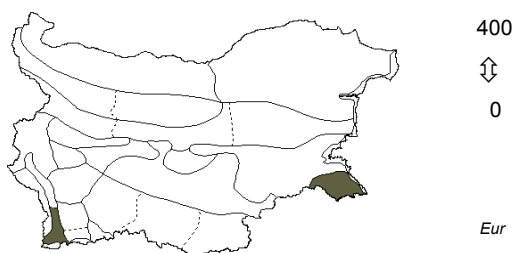


0

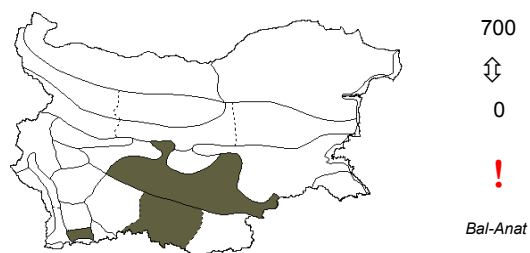
Eur



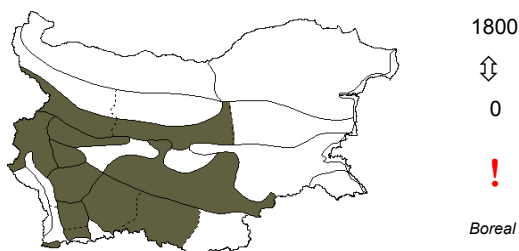
**Mentha suaveolens**  
Ehrh.



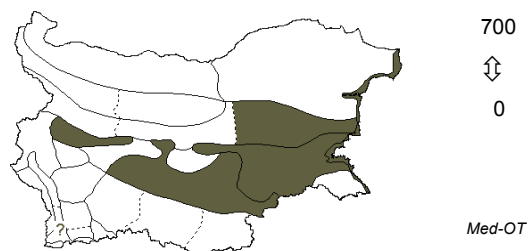
**Merendera attica**  
(Spruner ex Tomm.) Boiss. ex Spruner



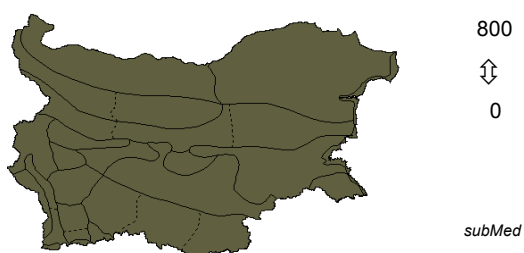
**Menyanthes trifoliata**  
L.



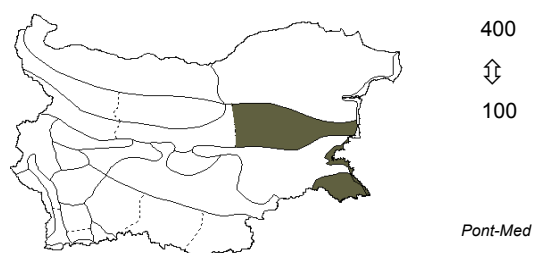
**Merendera sobolifera**  
C. A. Mey.



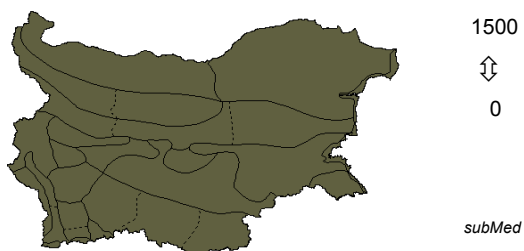
**Mercurialis annua**  
L.



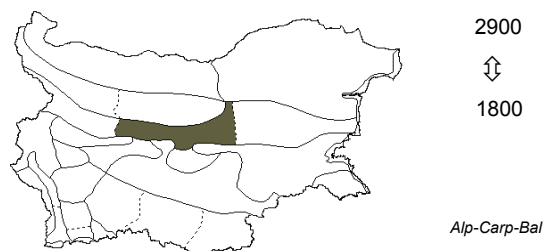
**Mespilus germanica**  
L.



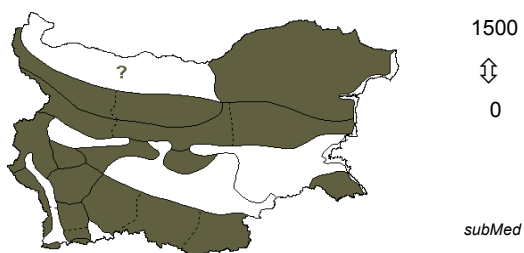
**Mercurialis ovata**  
Sternb. & Hoppe



**Meum athamanticum**  
Jacq.



**Mercurialis perennis**  
L.

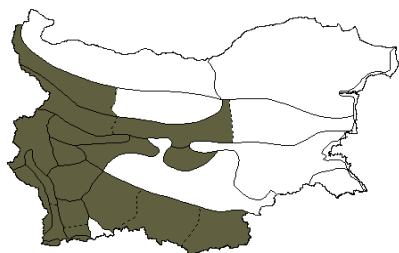


**Mibora minima**  
(L.) Desv.



### *Micromeria cristata*

(Hampe) Griseb.



1500

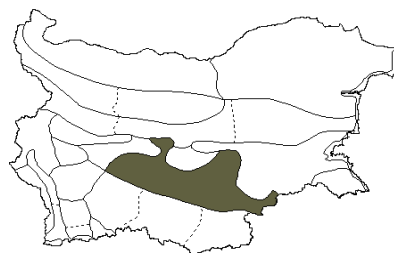


200

Bal-Anat

### *Middendorfia borystenica*

(Schrank) Trautv.



180



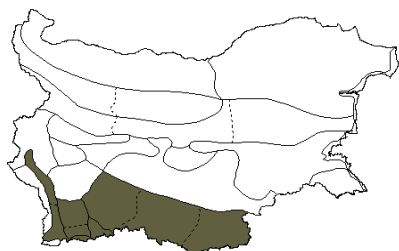
180



Pont-Med

### *Micromeria dalmatica*

Benth.



1500

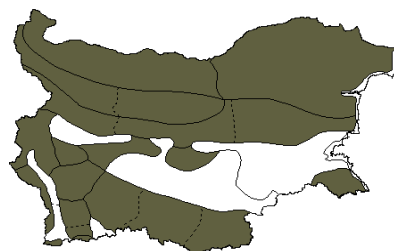


200

Bal

### *Milium effusum*

L.



2000

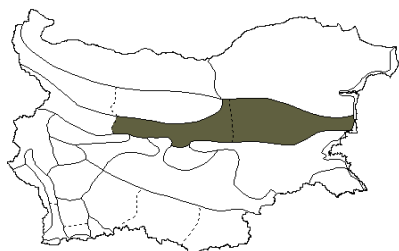


0

subBoreal

### *Micromeria frivaldszkyana*

(Degen) Velen.



1500



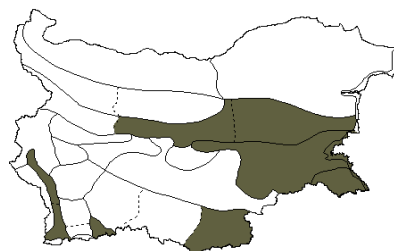
200



Bul

### *Milium vernale*

M. Bieb.



700

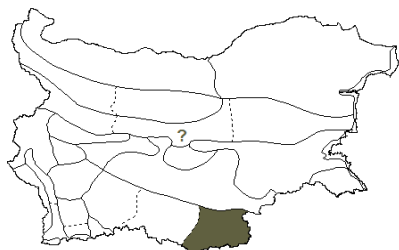


0

subMed

### *Micromeria juliana*

(L.) Benth. ex Rchb.



600



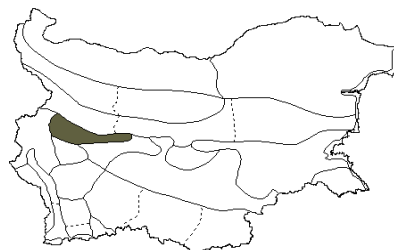
200



Med

### *Mimulus guttatus*

DC.



1000

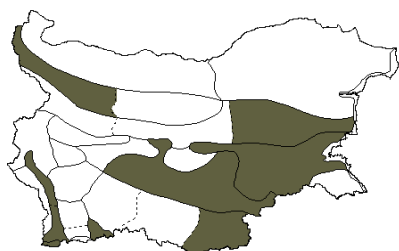


0

Adv (NAmerica)

### *Micropyrum tenellum*

Link



400

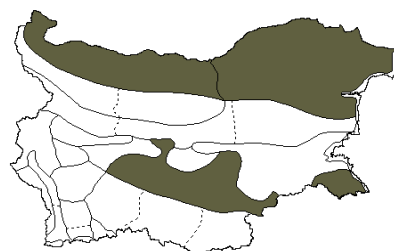


0

subMed

### *Minuartia adenotricha*

Schischk.



800

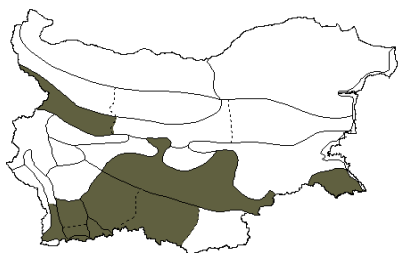


0

Pont-Med

### **Minuartia anatolica**

(Boiss.) Woron.



500



0

Bal-Anat

### **Minuartia caespitosa**

(Ehrh.) Degen



1500



0

Eur-Med

### **Minuartia attica**

(Boiss. & Spruner) Vierh.



500

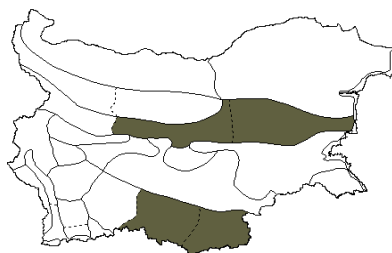


0

Med

### **Minuartia garckeana**

(Asch. & Graebn.) Mattf.



1000



0

Bal-Anat

### **Minuartia bilykiana**

Klokov



50



0

Pont-Bal

### **Minuartia glomerata**

(M. Bieb.) Degen



2900

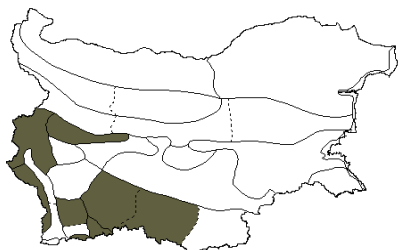


0

Eur-Med

### **Minuartia bosniaca**

(Beck) K. Maly



1500

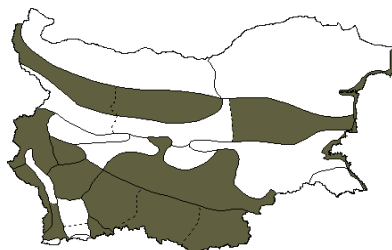


0

Bal

### **Minuartia hirsuta**

(M. Bieb.) Hand.-Mazz.



2100

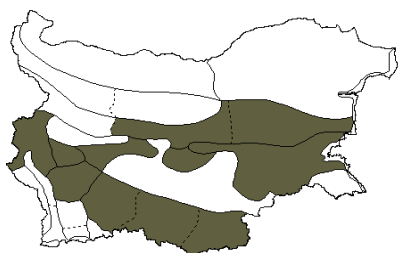


0

subMed

### **Minuartia bulgarica**

(Velen.) Graebn.



1600

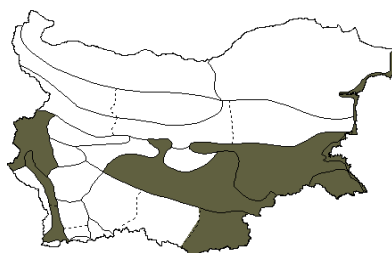


500

Bal

### **Minuartia hybrida**

(Vill.) Schischk.



500

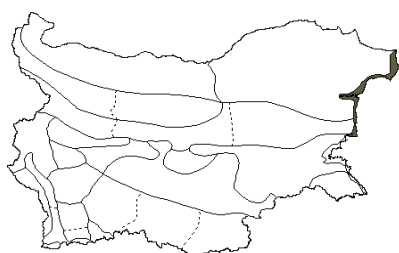


0

Med-CAs

### *Minuartia intermedia*

Panov



0

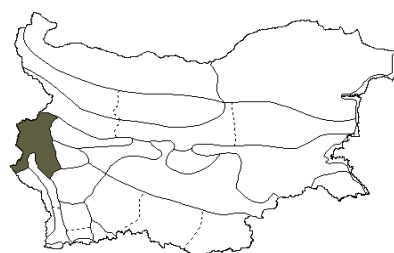


0

Bul

### *Minuartia mutabilis*

Schinz & Thell.



600

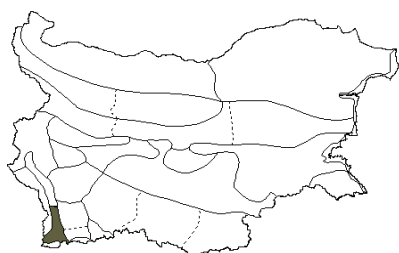


0

Eur

### *Minuartia janevii*

Panov



500

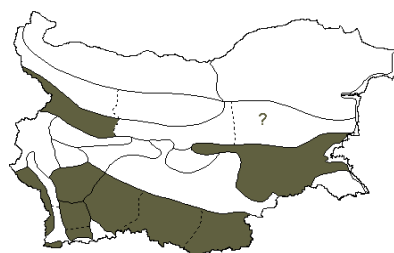


0

Bul

### *Minuartia recurva*

(All.) Schinz & Thell.



2900

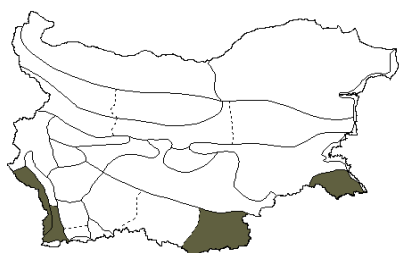


1000

Med-CAs

### *Minuartia mediterranea*

(Ledeb.) K. Maly



500

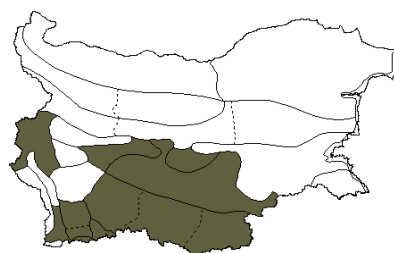


0

Med

### *Minuartia rhodopaea*

(Degen) Kožuharov & Kuzmanov



1700

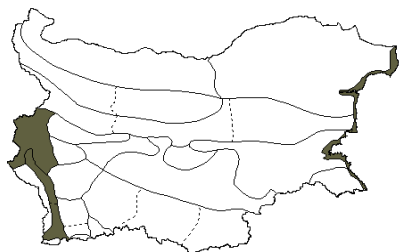


0

Bul

### *Minuartia mesogitana*

(Boiss.) Hand.-Mazz.



300

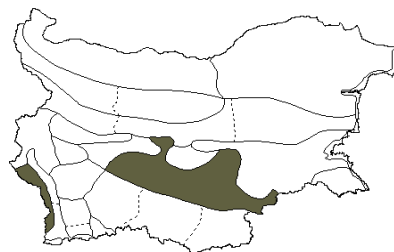


0

Med

### *Minuartia rumelica*

Panov



200



0



Bul

### *Minuartia montana*

L.



1000

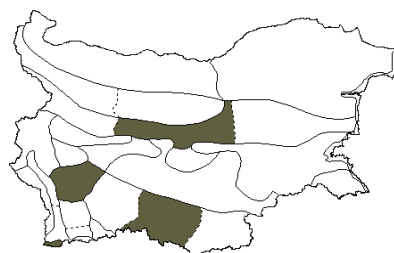


0

subMed

### *Minuartia saxifraga*

(Friv.) Graebn.



2200

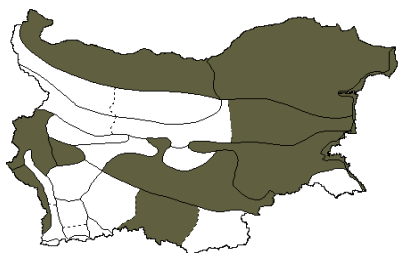


700

Med

### Minuartia setacea

(Thuill.) Hayek



2400

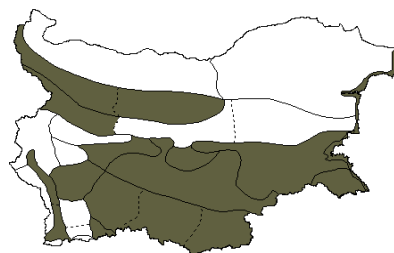


0

Pont

### Minuartia viscosa

(Schreb.) Schinz & Thell.



1400

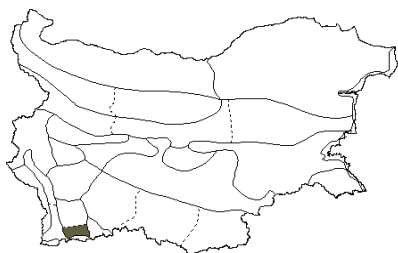


0

Eur-Med

### Minuartia stojanovii

(Kit.) Kožuharov & Kuzmanov



2000



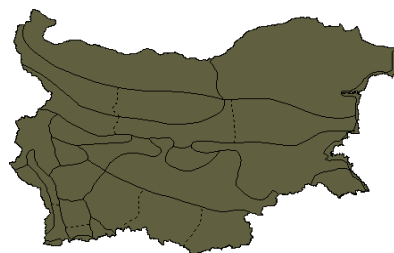
2000



Bal

### Misopates orontium

(L.) Raf.



1000

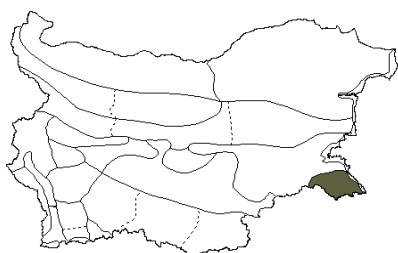


0

Eur-Med

### Minuartia strandjensis

Panov



500

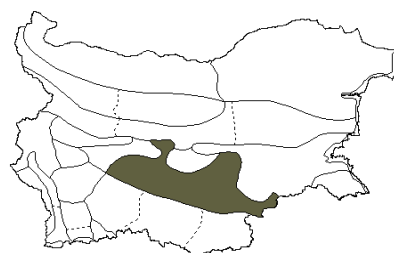


100

Bul

### Modiola caroliniana

(L.) G. Don. f.



200

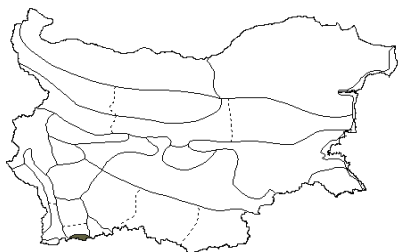


0

Adv (Am)

### Minuartia velutina

(Boiss. & Orph.) Graebn.



1700

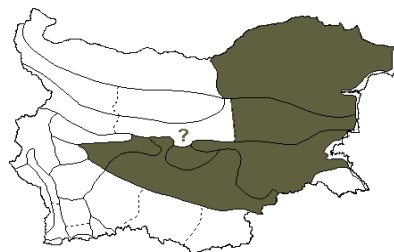


1000

Bal

### Moehringia grisebachii

Janka



700

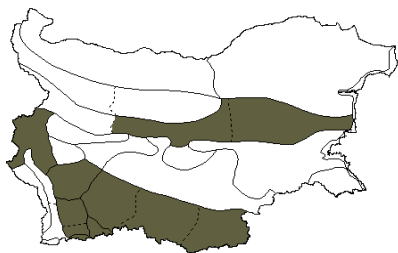


0

Bal

### Minuartia verna

(L.) Hiern



2900

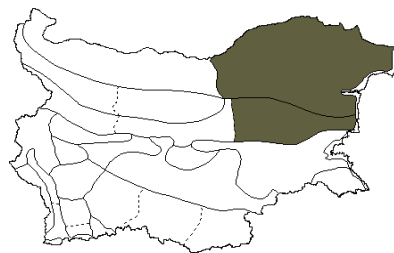


1000

subBoreal

### Moehringia jankae

Griseb. ex Janka



500

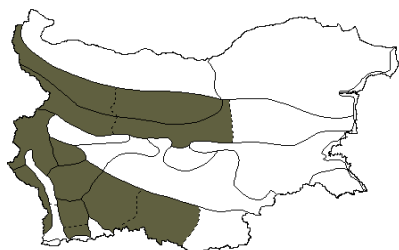


0



Bal

**Moehringia muscosa**  
L.



2000



0

subMed

**Moenchia mantica**  
(L.) Bartl.



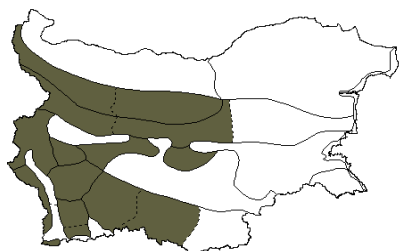
1300



0

Eur-Med

**Moehringia pendula**  
(Waldst. & Kit.) Fenzl



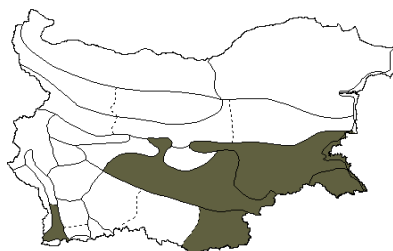
2500



700

Carp-Bal

**Molineriella minuta**  
(L.) Rouy



500



0

Med

**Moehringia trinervia**  
(L.) Clairv.



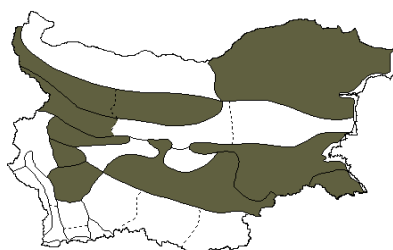
2500



0

Eur-As

**Molinia arundinacea**  
Schränk



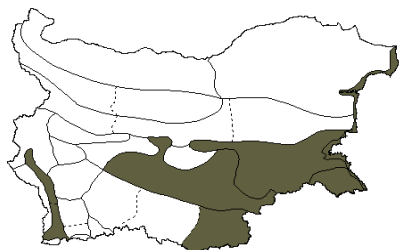
1000



0

Pann-Bal

**Moenchia erecta**  
(L.) Gaertn., B. Meyer & Scherb.



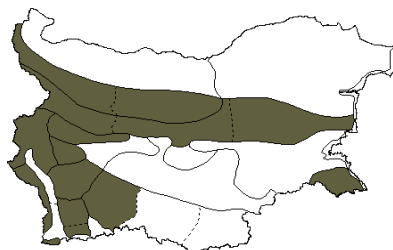
300



0

subMed

**Molinia coerulea**  
(L.) Moench



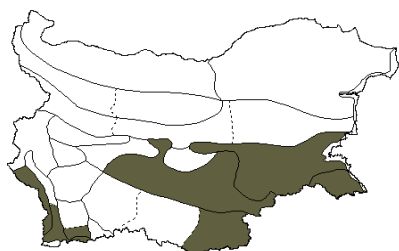
1500



0

Boreal

**Moenchia graeca**  
Boiss. & Heldr.



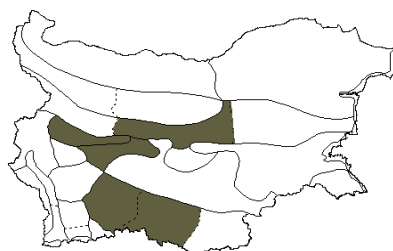
600



0

Bal-Aeg

**Molinia horanzskyi**  
Milk.

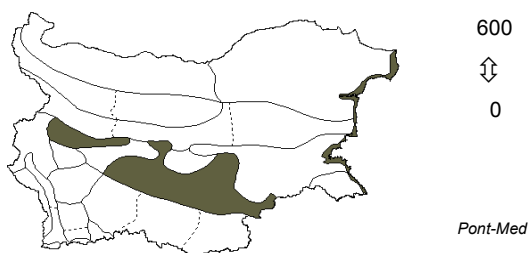


2200

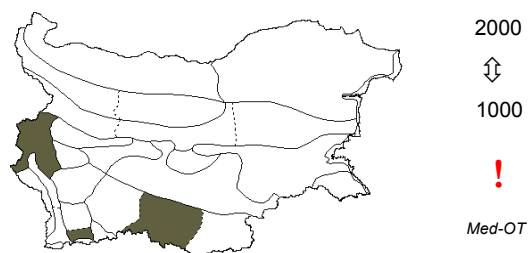


800

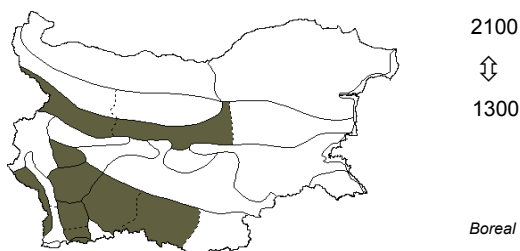
**Mollugo cerviana**  
(L.) Ser.



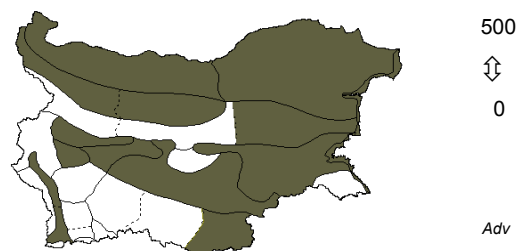
**Morina persica**  
L.



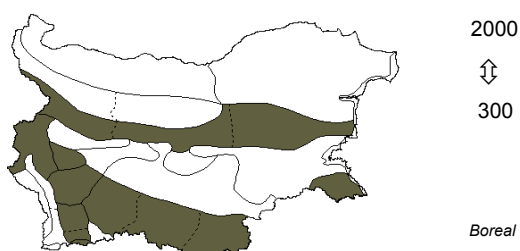
**Moneses uniflora**  
(L.) A. Gray



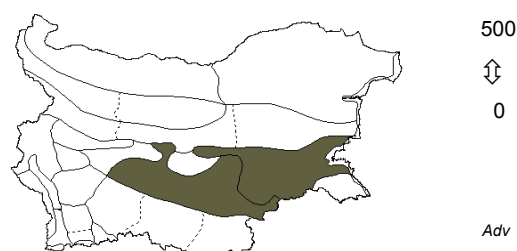
**Morus alba**  
L.



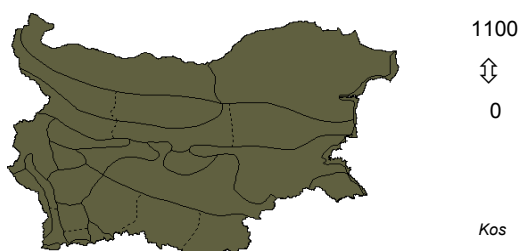
**Monotropa hypopitys**  
L.



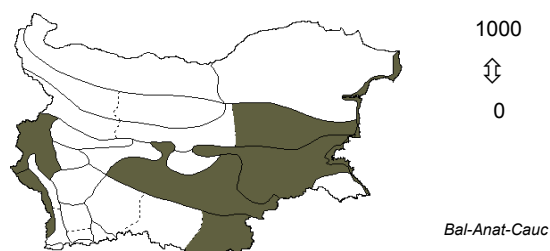
**Morus nigra**  
L.



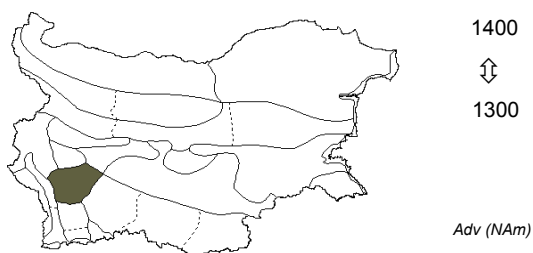
**Montia fontana**  
L.



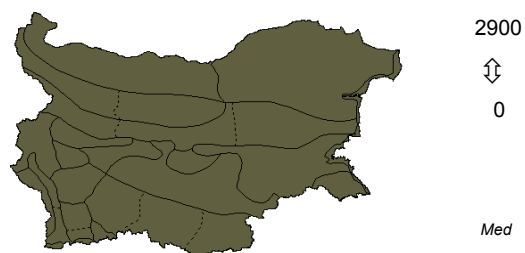
**Muscari armeniacum**  
Leichtlin ex Baker



**Montia sibirica**  
(L.) Howell



**Muscari botryoides**  
(L.) Mill.



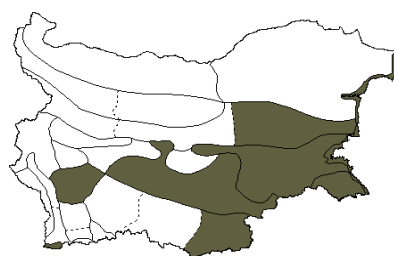
**Muscari comosum**  
(L.) Mill.



1000  
⇕  
0

Med

**Muscari vandasii**  
Velen.



1000  
⇕  
0

Bul

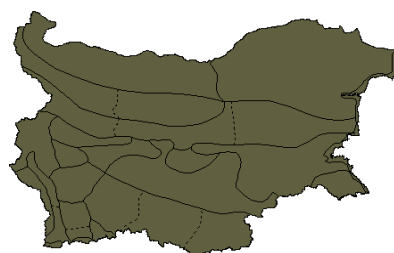
**Muscari neglectum**  
Guss. ex Ten.



1000  
⇕  
0

Med-OT

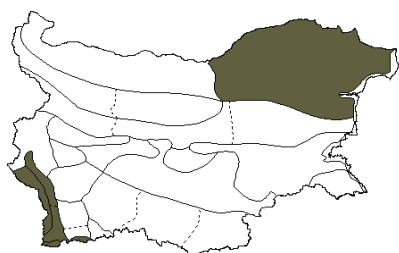
**Myagrum perfoliatum**  
L.



700  
⇕  
0

Eur-Med

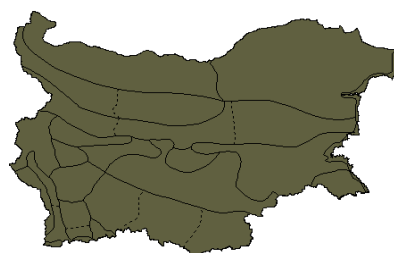
**Muscari pulchellum**  
Heldr. & Sart. ex Boiss.



1500  
⇕  
0

Med-OT

**Mycelis muralis**  
(L.) Dumort.



1500  
⇕  
0

Med

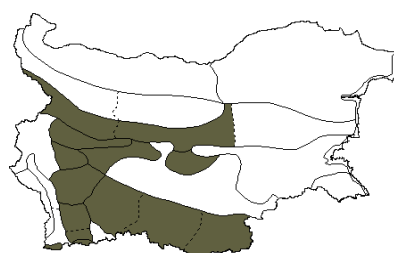
**Muscari racemosum**  
DC.



1500  
⇕  
0

subMed

**Myosotis alpestris**  
F. W. Schmidt



2900  
⇕  
1500

Eur-Med

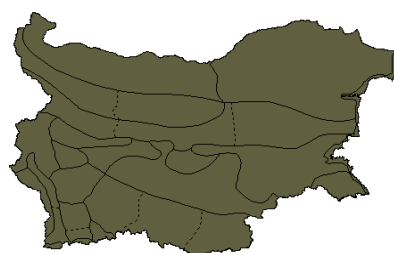
**Muscari tenuiflorum**  
Tausch



2900  
⇕  
1000

Pont-Med

**Myosotis arvensis**  
(L.) Hill

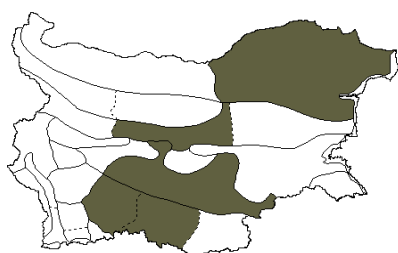


1700  
⇕  
0

Eur-As



**Myosotis aspera**  
Velen.



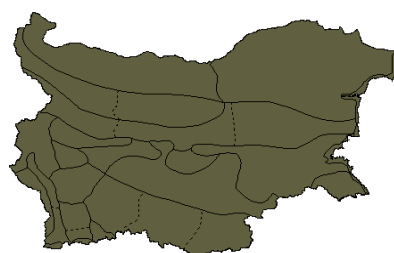
1000



100

Bul

**Myosotis laxa**  
Lehm.



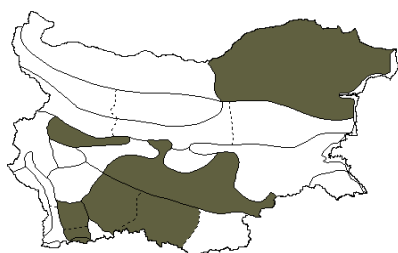
1500



0

subBoreal

**Myosotis cadmea**  
Boiss.



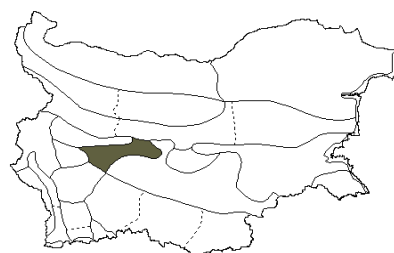
1800



100

Med

**Myosotis margaritae**  
Štěpánková



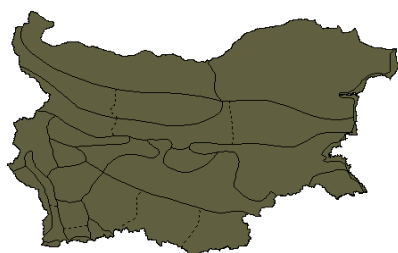
1000



400

Bal-Dac

**Myosotis cyanea**  
(Boiss. & Heldr.) Peev et N. Andreev



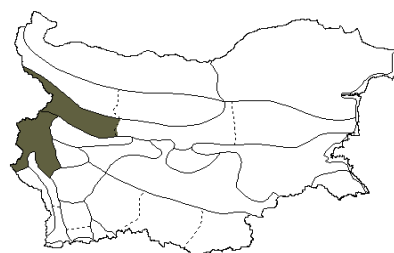
1900



300

Med-SAs

**Myosotis michaelae**  
Štěpánková



1000



0

Eur

**Myosotis incrassata**  
Guss.



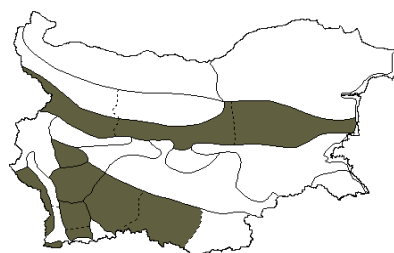
800



0

subMed

**Myosotis nemorosa**  
Besser



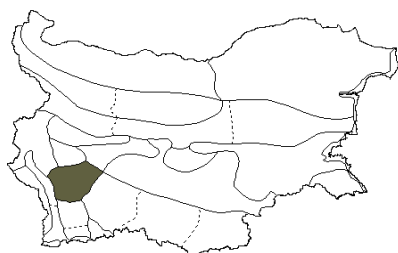
2900



1000

subMed-As

**Myosotis jordanovii**  
N. Andreev & Peev



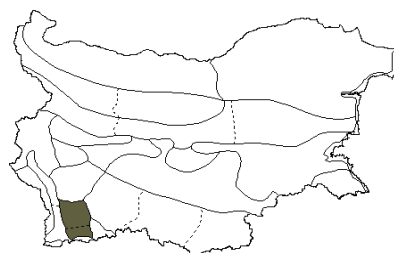
2300



1500

Bul

**Myosotis olympica**  
Boiss.



2900

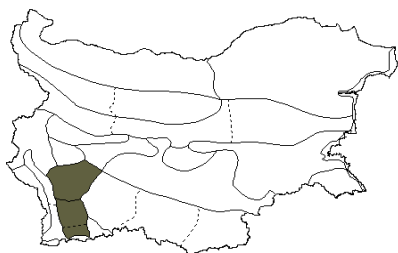


2000

Bal-Anat

### *Myosotis orbelica*

(Velen.) Peev & N. Andreev



2900

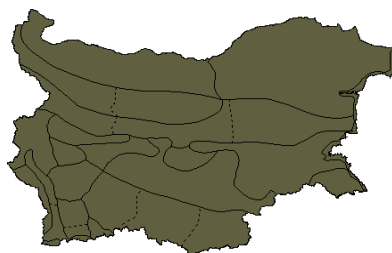


1800

Bul

### *Myosotis sparsiflora*

Mikan ex Pohl



2000



300

Eur-As

### *Myosotis ramosissima*

Rochel



1500

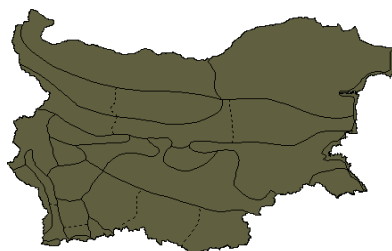


0

subMed

### *Myosotis stricta*

Link ex Roem. & Schult.



1000

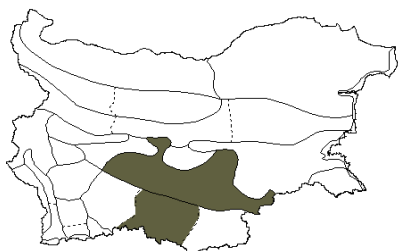


0

Eur-As

### *Myosotis rhodopea*

Velen.



300

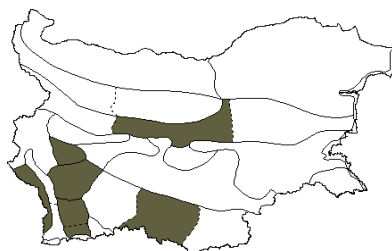


0

Bul

### *Myosotis suaveolens*

Waldst. & Kit.



2900



1500

Bal

### *Myosotis scorpioides*

L.



2000



0

Eur-NAm

### *Myosotis sylvatica*

Ehrh. ex Hoffm.



2300



300

Eur-As

### *Myosotis sicula*

Guss.



1200

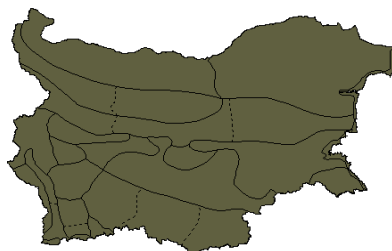


0

Eur-As

### *Myosoton aquaticum*

(L.) Moench



1200



0

Eur-As

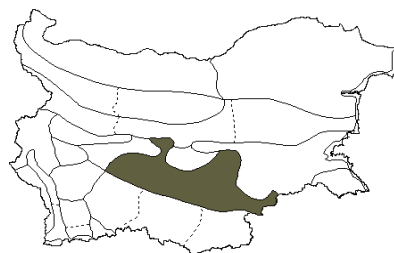
**Myosurus minimus**  
L.



500  
⇕  
0

Eur-Sib

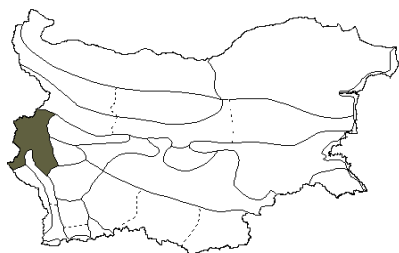
**Najas graminea**  
Delile



200  
⇕  
0

Adv (Paleo)

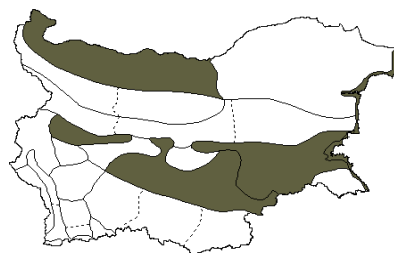
**Myricaria germanica**  
(L.) Desv.



1000  
⇕  
0

!  
Eur-WAs

**Najas marina**  
L.



600  
⇕  
0

Boreal

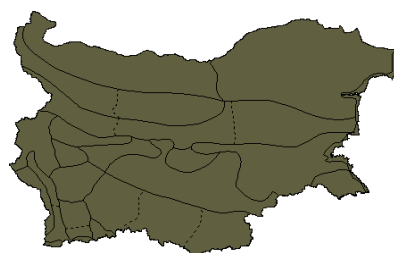
**Myriophyllum spicatum**  
L.



500  
⇕  
0

Boreal

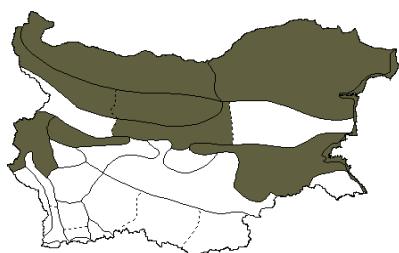
**Najas minor**  
All.



900  
⇕  
0

Adv (Paleo)

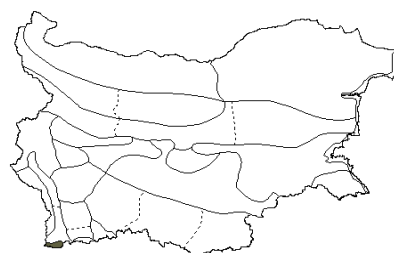
**Myriophyllum verticillatum**  
L.



600  
⇕  
0

Boreal

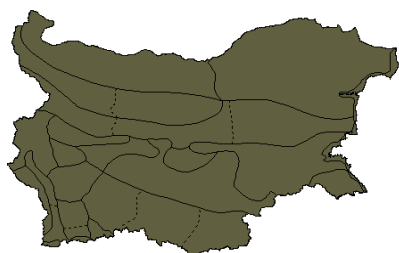
**Narcissus pseudonarcissus**  
L.



1000  
⇕  
500

Adv

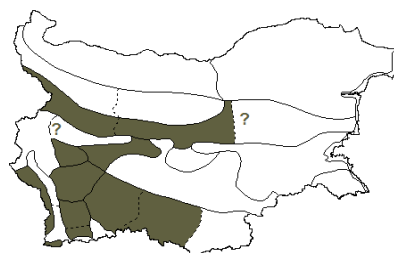
**Myrrhoides nodosa**  
(L.) Cannon



800  
⇕  
0

Eur-As

**Nardus stricta**  
L.



2400  
⇕  
1200

Arct-Alp

### **Nasturtium officinale**

R. Br.



1500

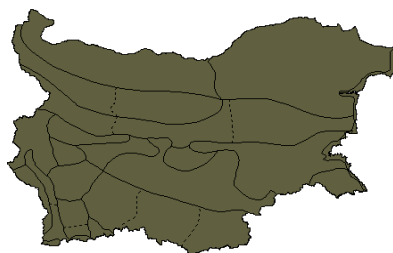


0

Eur-As

### **Nepeta nuda**

L.



1900

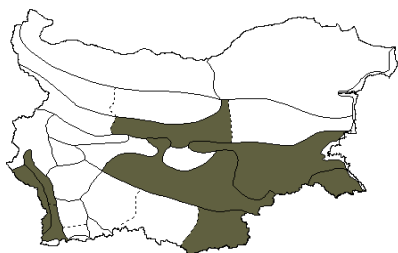


0

Eur-As

### **Neotostema apulum**

(L.) I. M. Johnst.



1000

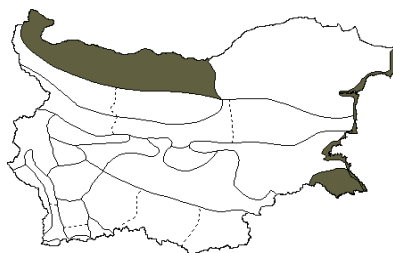


0

Med

### **Nepeta parviflora**

M. Bieb.



300



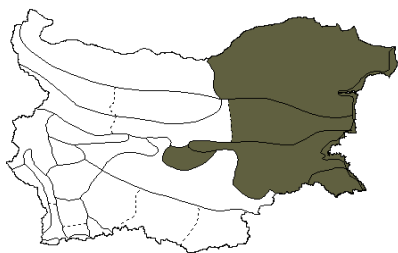
0



subMed

### **Nectaroscordum siculum**

(Ucria) Lindl.



1000

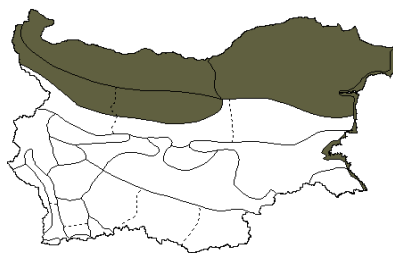


0

Pont-Med

### **Nepeta ucranica**

L.



300



0



Eur-As

### **Neottia nidus-avis**

(L.) Rich.



1800

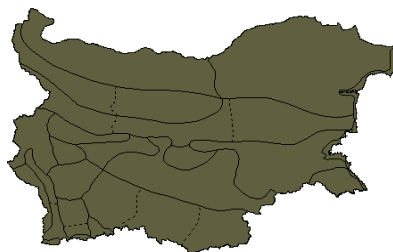


0

Eur-As

### **Neslia paniculata**

(L.) Desv.



1000



0

As

### **Nepeta cataria**

L.



1500

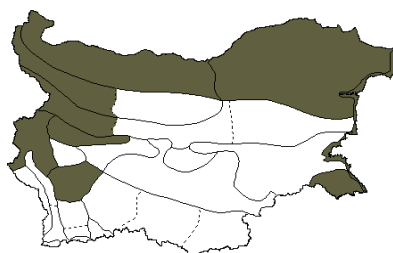


0

Eur-As

### **Nicandra physaloides**

(L.) Gaertn.



400



0

Adv (SAm)

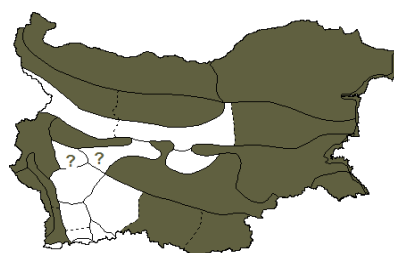
**Nigella arvensis**  
L.



1000  
⇕  
0

subMed

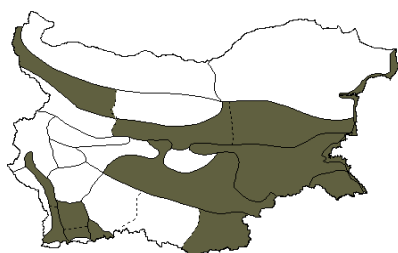
**Nonea atra**  
Griseb.



1000  
⇕  
0

subBal

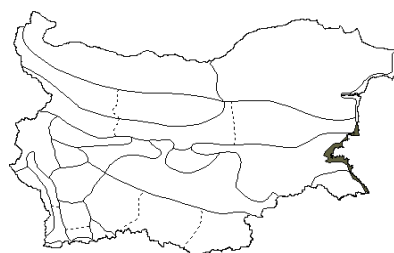
**Nigella damascena**  
L.



700  
⇕  
0

subMed

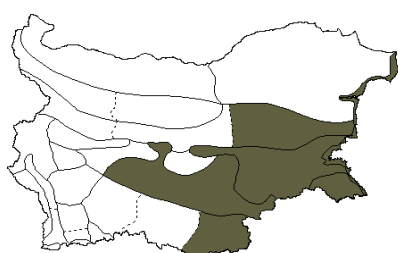
**Nonea obtusifolia**  
(Willd.) DC.



0  
⇕  
0

Med

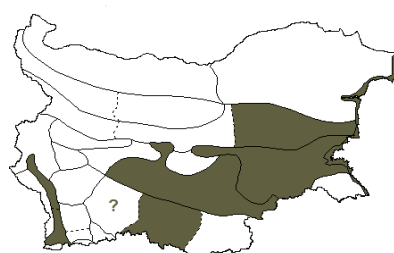
**Nigella elata**  
Boiss.



500  
⇕  
0

Pont-Med

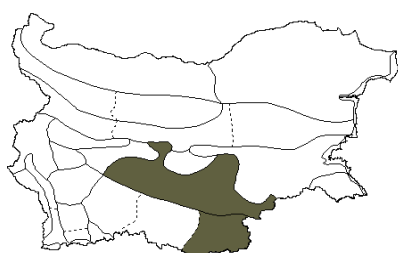
**Nonea pallens**  
Petrovič



1000  
⇕  
0

Pont

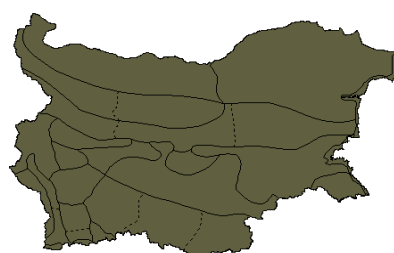
**Nigella orientalis**  
L.



700  
⇕  
0

subMed

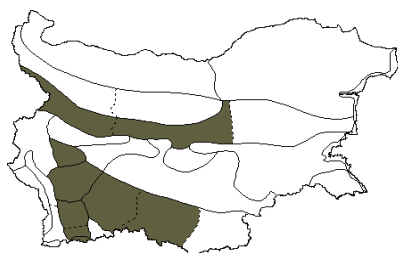
**Nonea pulla**  
(L.) DC.



1000  
⇕  
0

subMed

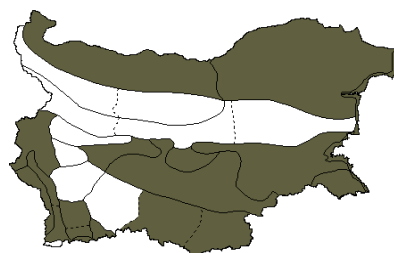
**Nigritella nigra**  
(L.) Rchb. f.



2700  
⇕  
1700

Eur

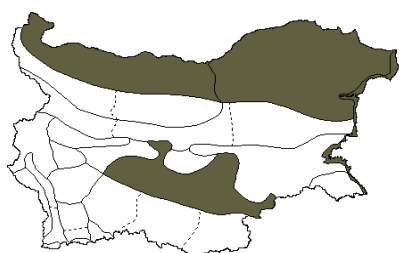
**Nonea ventricosa**  
(Sm.) Griseb.



1000  
⇕  
0

subMed

**Nuphar lutea**  
(L.) Sm.



200

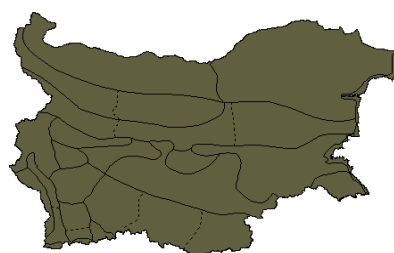


0



Eur-As

**Odontites serotina**  
(Lam.) Dumort.



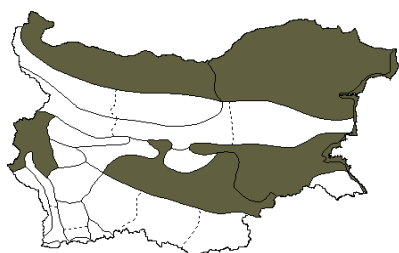
1000



0

Eur

**Nymphaea alba**  
L.



200

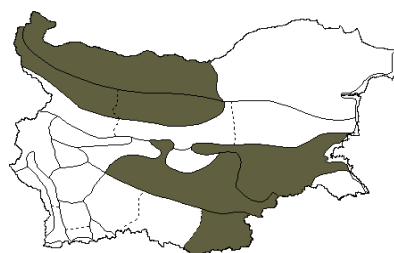


0



Eur-Med

**Oenanthe angulosa**  
Griseb.



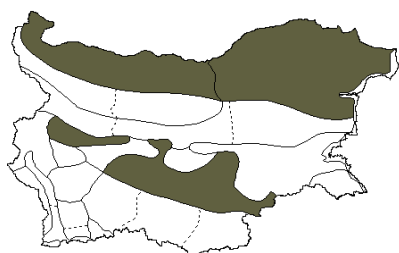
800



0

subMed

**Nymphoides peltata**  
(S. G. Gmel.) Kuntze



100



0



Eur-Sib

**Oenanthe aquatica**  
(L.) Poir.



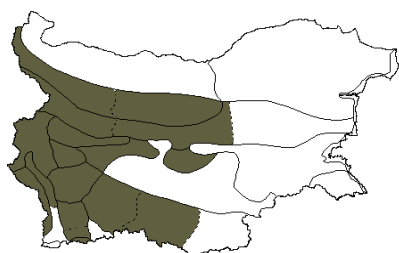
1000



0

Eur-Sib

**Odontites glutinosa**  
(M. Bieb.) Benth.



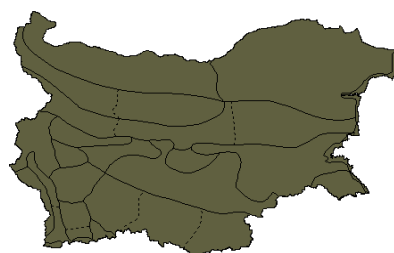
2000



200

Pont-Med

**Oenanthe banatica**  
Heuff.



1600



0

Pont

**Odontites lutea**  
(L.) Clairv.



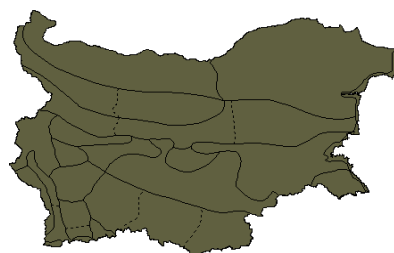
1800



300

Eur

**Oenanthe fistulosa**  
L.



1000

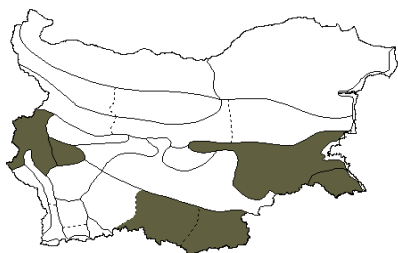


0

Eur-Med

### *Oenanthe lachenalii*

C. C. Gmel.



1000

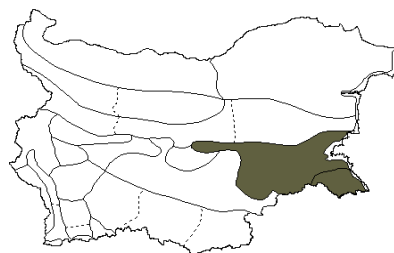


0

subMed

### *Oenanthe tenuifolia*

Boiss. & Orhp.



300



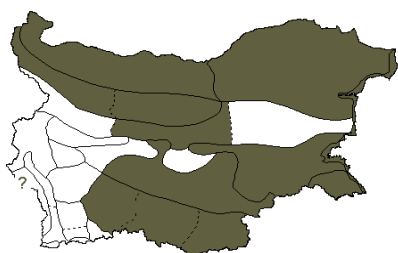
0



Bal

### *Oenanthe millefolia*

Janka



1000

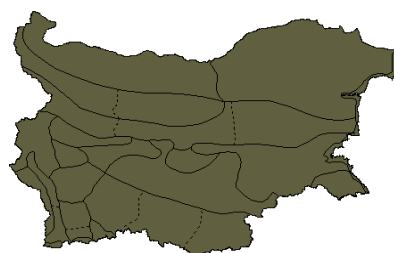


0

Bul

### *Oenothera biennis*

L.



400

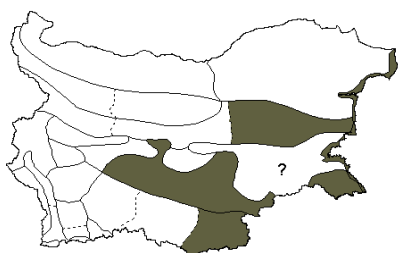


0

Adv (Am)

### *Oenanthe pimpinelloides*

L.



500

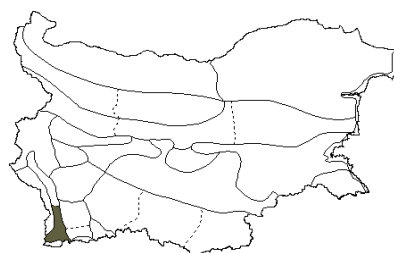


0

Eur-Med

### *Oenothera bulgarica*

Delip.



500

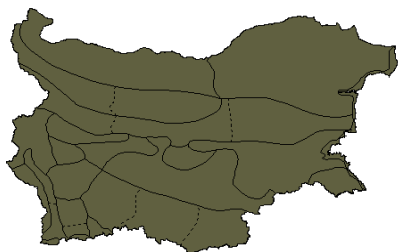


0

Bul (Adv)

### *Oenanthe silaifolia*

M. Bieb.



1600

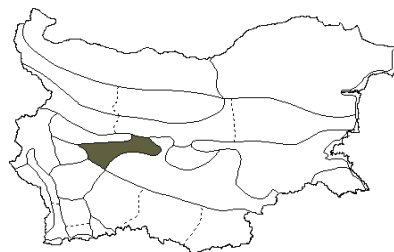


0

Eur-Med

### *Oenothera parviflora*

L.



600



600

Adv (NAm)

### *Oenanthe stenoloba*

Schur



1700

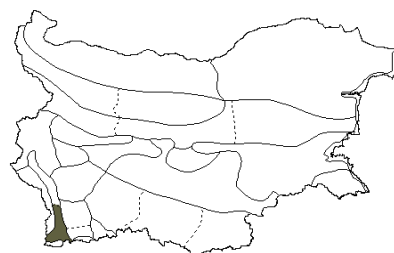


0

subMed

### *Oenothera stricta*

Ledeb. ex Link



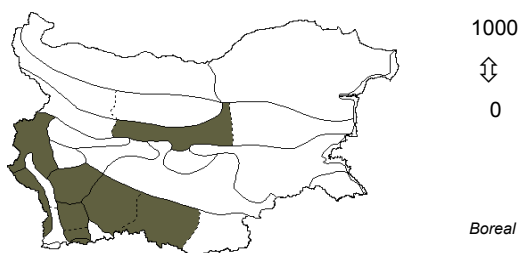
200



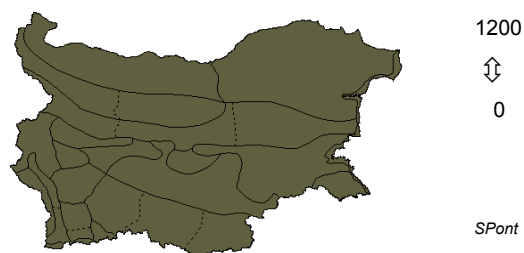
0

Adv (NAm)

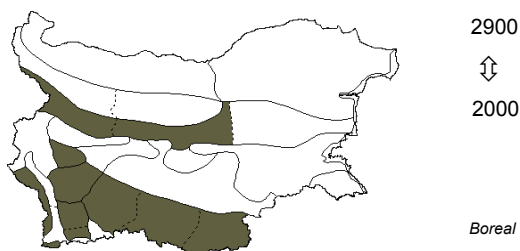
**Omalotheca norvegica**  
(Gunn.) Sch. Bip. & F. Schul.



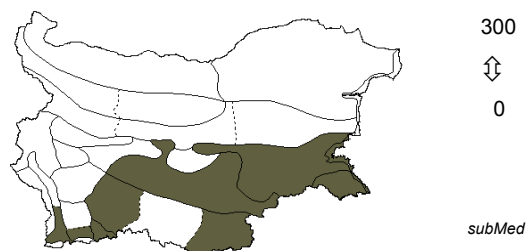
**Onobrychis arenaria**  
(Kit.) DC.



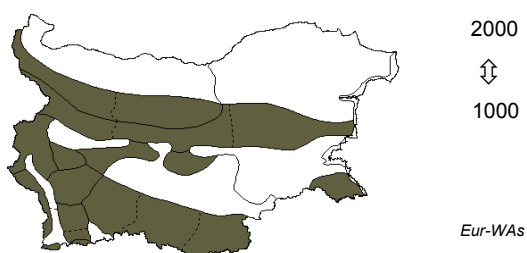
**Omalotheca supina**  
(L.) DC.



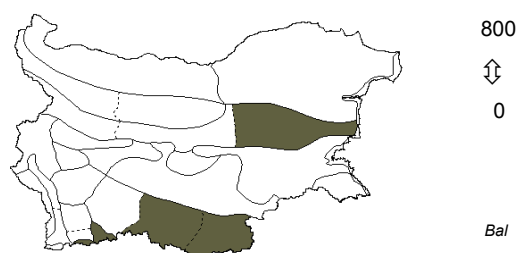
**Onobrychis caput-gali**  
(L.) Lam.



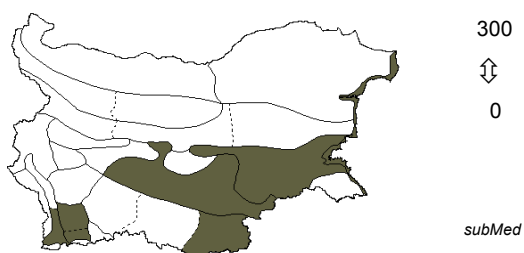
**Omalotheca sylvatica**  
(L.) Sch. Bip. & F. Schul.



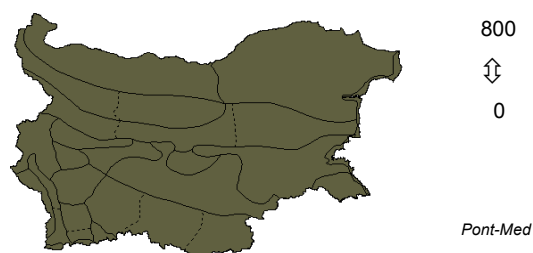
**Onobrychis degenii**  
Dörfl.



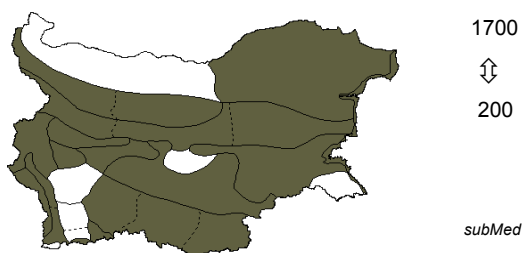
**Onobrychis aequidentata**  
(Sm.) D'Urv.



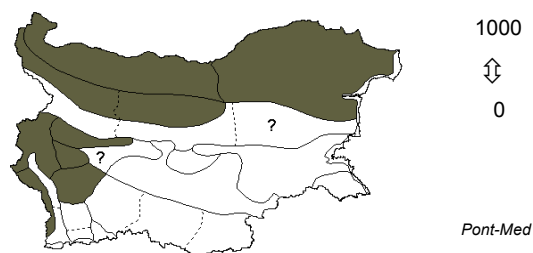
**Onobrychis gracilis**  
Besser



**Onobrychis alba**  
(Waldst. & Kit.) Desv.

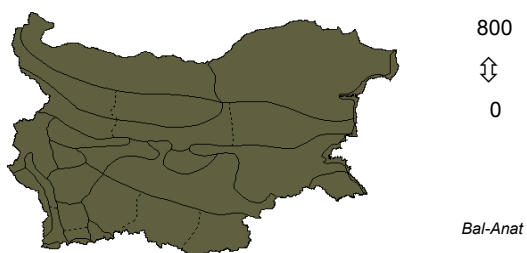


**Onobrychis inermis**  
Steven

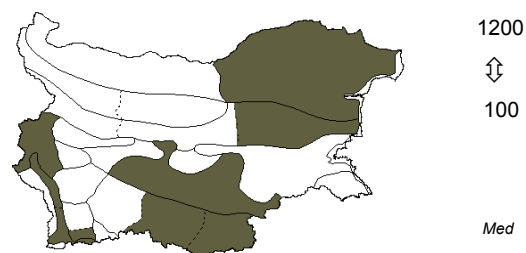




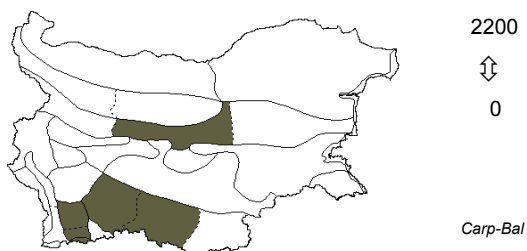
**Onobrychis lasiostachya**  
Boiss.



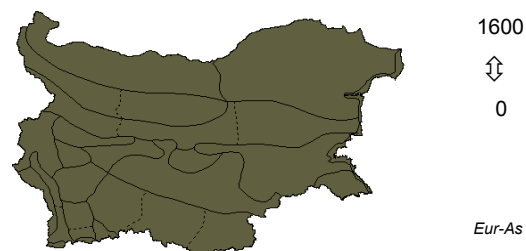
**Ononis adenotricha**  
Boiss.



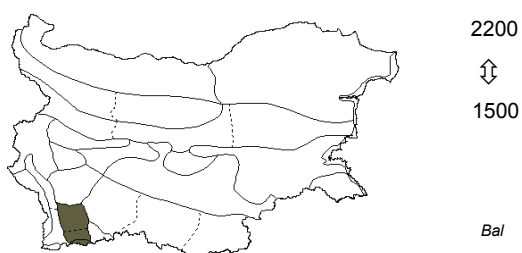
**Onobrychis montana**  
DC.



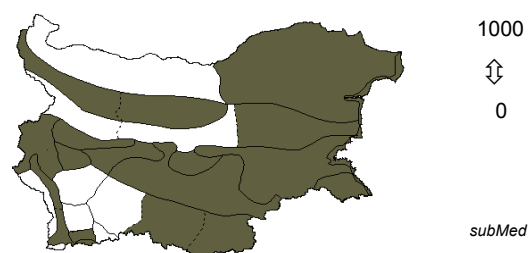
**Ononis arvensis**  
L.



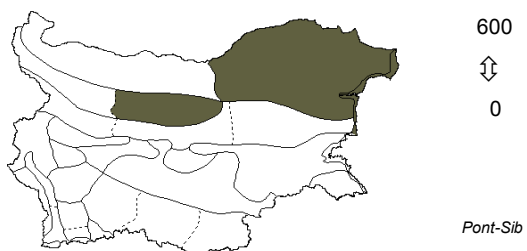
**Onobrychis pindicola**  
Hausskn.



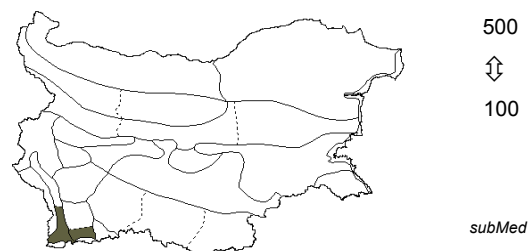
**Ononis pusilla**  
L.



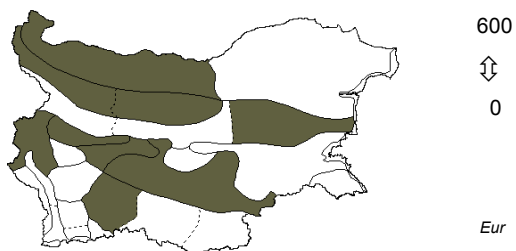
**Onobrychis tanaitica**  
Spreng.



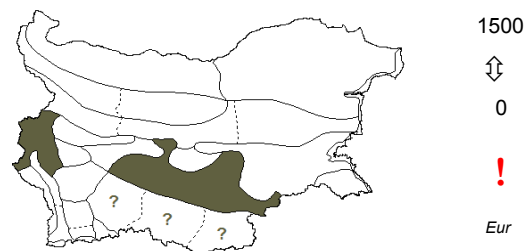
**Ononis reclinata**  
L.



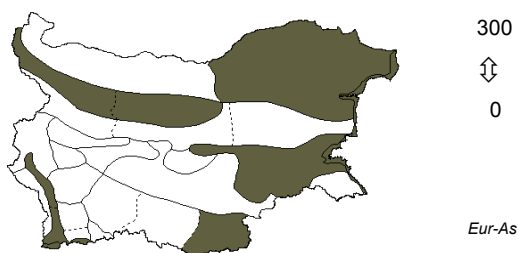
**Onobrychis viciifolia**  
Scop.



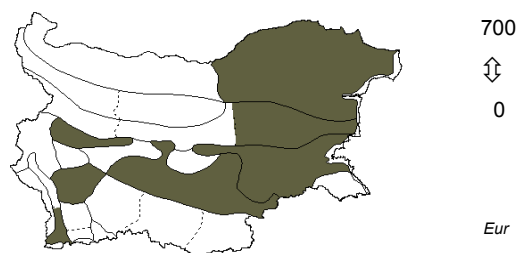
**Ononis repens**  
L.



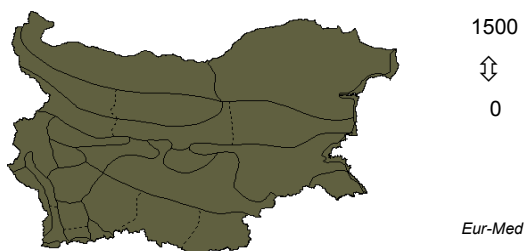
**Ononis spinosa**  
L.



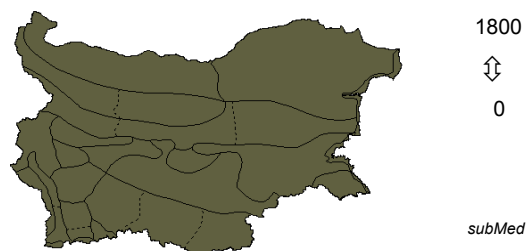
**Onosma arenaria**  
Waldst. & Kit.



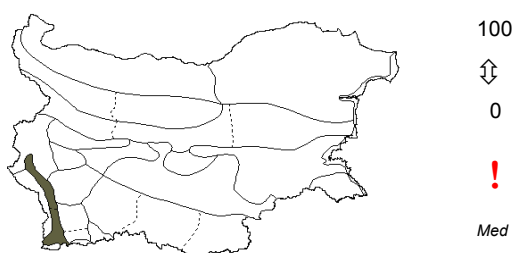
**Onopordum acanthium**  
L.



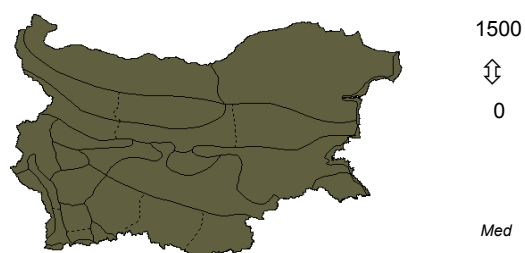
**Onosma aucherana**  
DC.



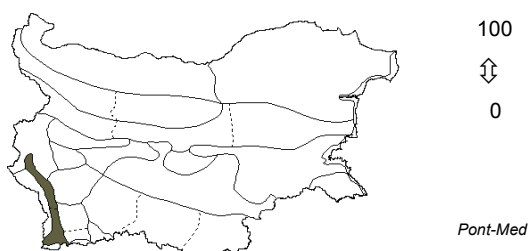
**Onopordum bracteatum**  
Boiss. & Heldr.



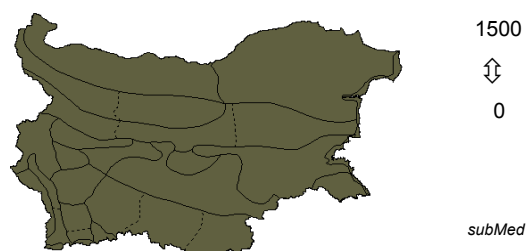
**Onosma echioides**  
L.



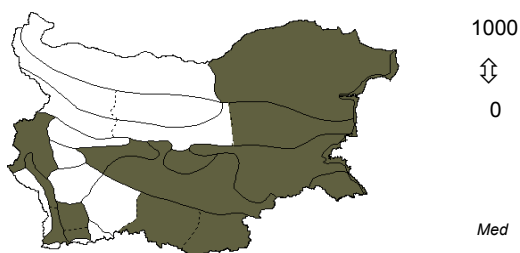
**Onopordum illyricum**  
L.



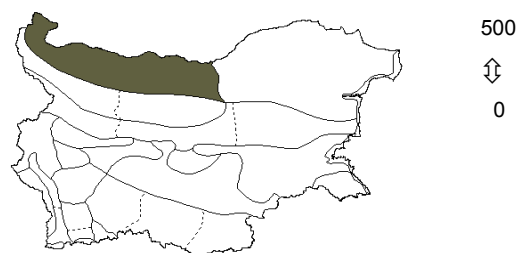
**Onosma heterophylla**  
Griseb.



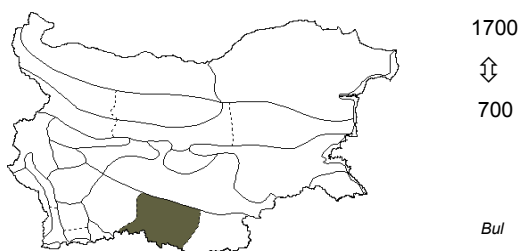
**Onopordum tauricum**  
Willd.



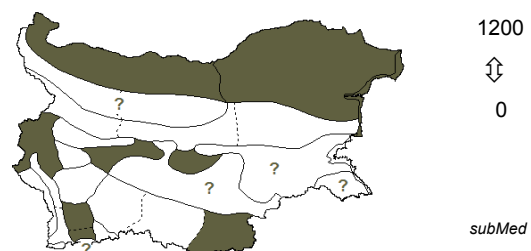
**Onosma lypskyi**  
Klokov



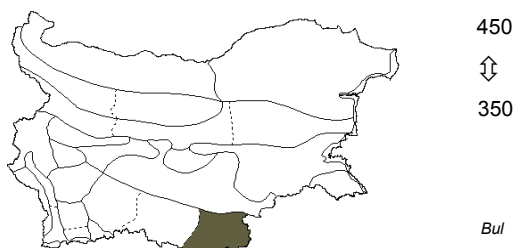
**Onosma malkarmayorum**  
Teppner



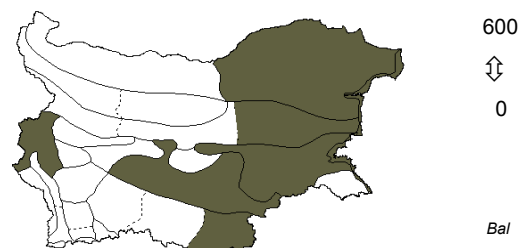
**Onosma taurica**  
Pall. ex Willd.



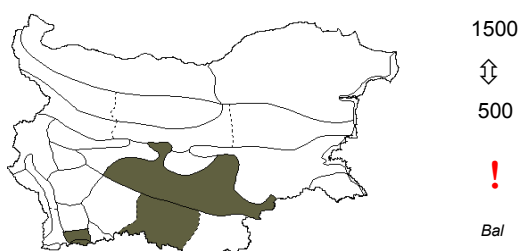
**Onosma pavlovii**  
Petrova & Kit Tan



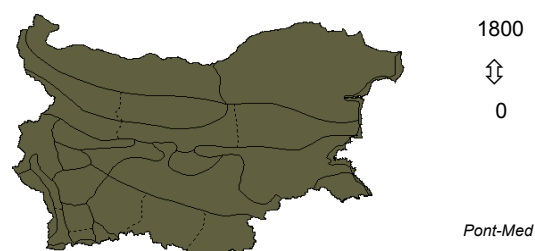
**Onosma thracica**  
Velen.



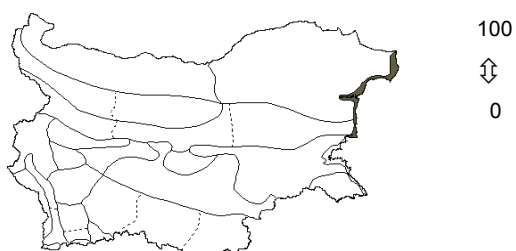
**Onosma rhodopea**  
Velen.



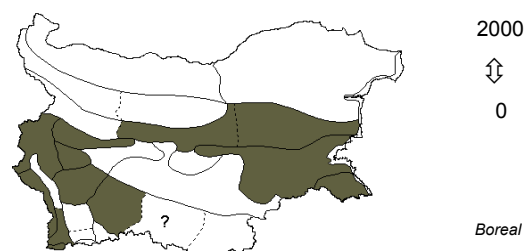
**Onosma visianii**  
Clementi



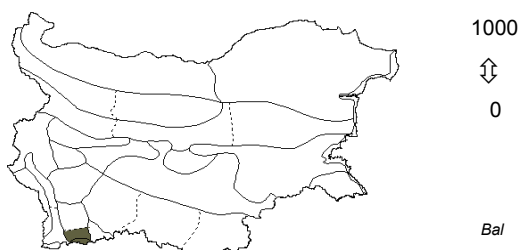
**Onosma rigida**  
Ledeb.



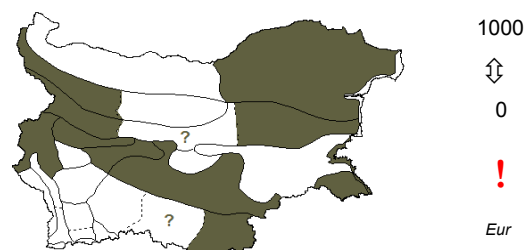
**Ophioglossum vulgatum**  
L.



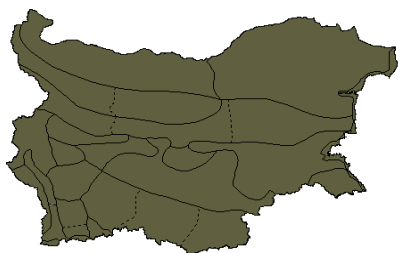
**Onosma stojanoffii**  
(Turrill) Teppner



**Ophrys apifera**  
Huds.



**Ophrys cornuta**  
Steven



1400

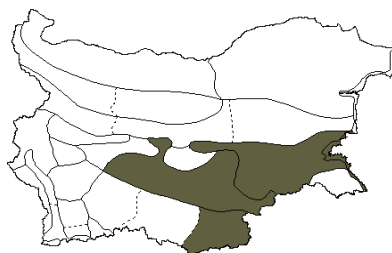


0



Bal-Anat

**Opopanax hispidum**  
(Friv.) Griseb.



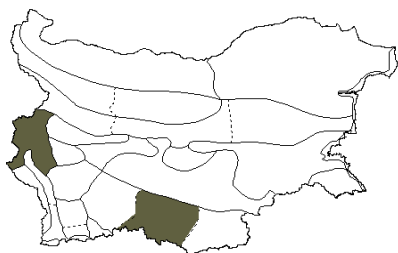
500



0

Med

**Ophrys insectifera**  
L.



1000

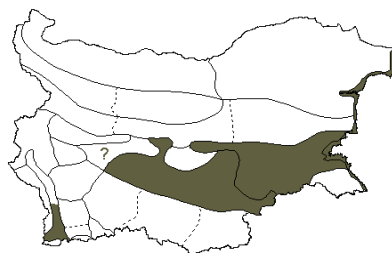


0



Eur

**Opuntia humifusa**  
(Raf.) Raf.



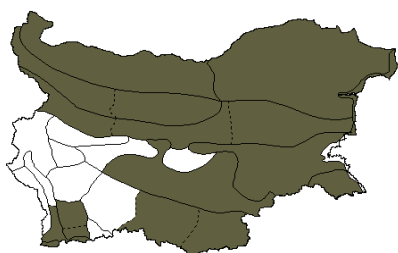
200



0

NAm

**Ophrys mammosa**  
Desf.



1400

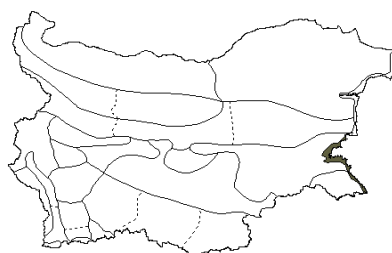


0



Pont

**Opuntia tortispina**  
Engelm.



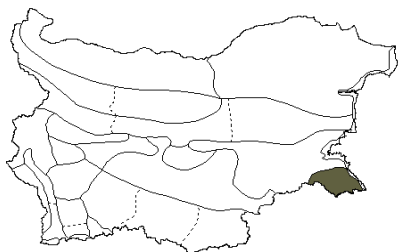
100



0

NAm

**Ophrys reinholdii**  
Spruner ex Fleishm.



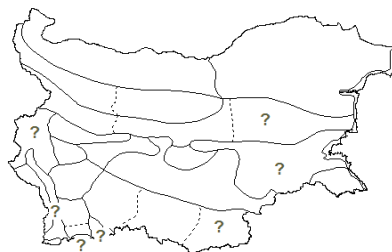
400



0

EMed

**Orchis commutata**  
Torado



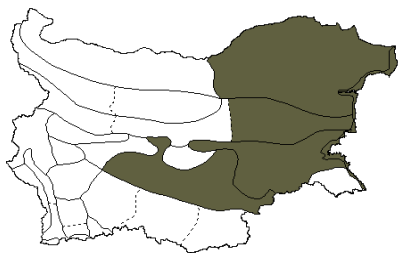
800



0

EMed-subMed

**Opopanax chironium**  
(L.) Koch



500



0



Med

**Orchis coriophora**  
L.



1500



0

Eur-subMed

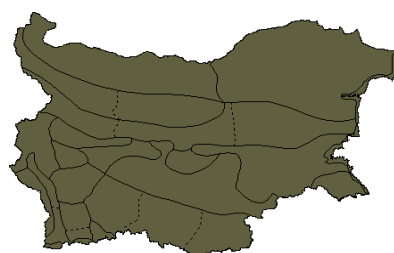
### Orchis elegans Heuff.



1000  
⇕  
0

Eur-OT

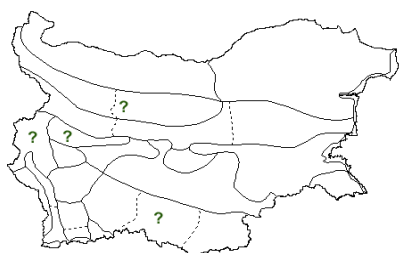
### Orchis morio L.



1500  
⇕  
0

Eur-subMed

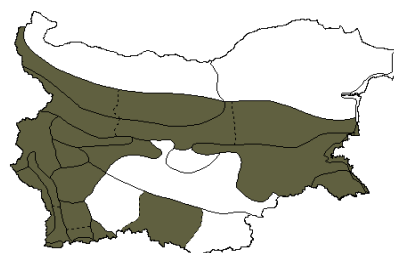
### Orchis lactea Poir.



1000  
⇕  
0

Pont-Med

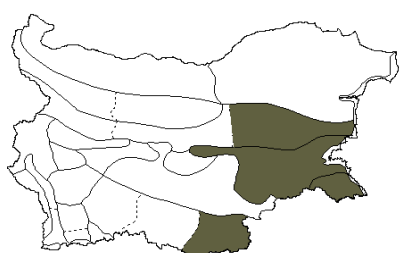
### Orchis ovalis F. W. Schmidt ex Mayer



1500  
⇕  
0

EEur

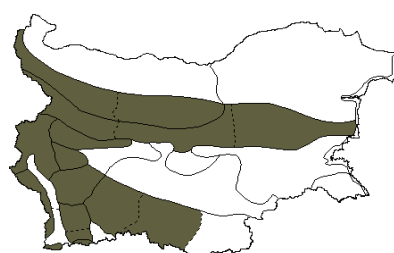
### Orchis laxiflora Lam. s. str.



1000  
⇕  
0

!  
subMed

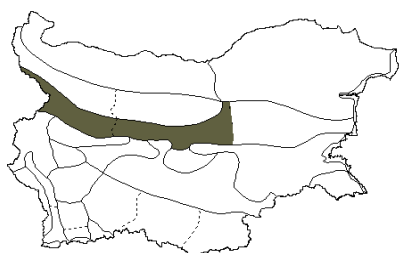
### Orchis pallens L.



1500  
⇕  
0

SPont

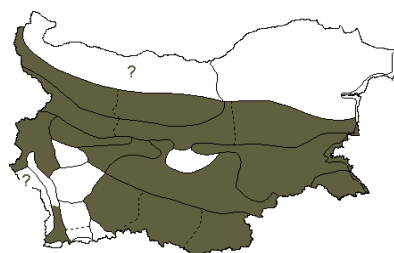
### Orchis mascula L. s. str.



2000  
⇕  
0

Eur-Sib

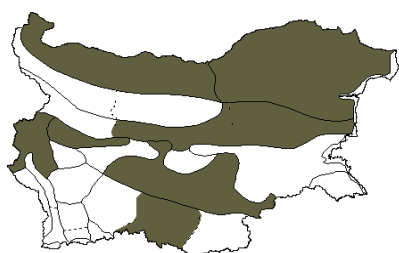
### Orchis papilionacea L.



1000  
⇕  
0

!  
subMed

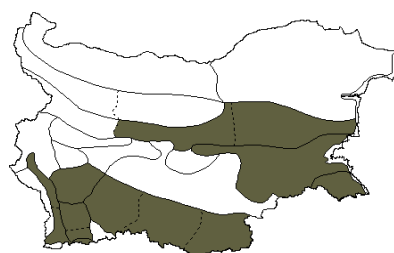
### Orchis militaris L.



1500  
⇕  
0

!  
Pont-Med

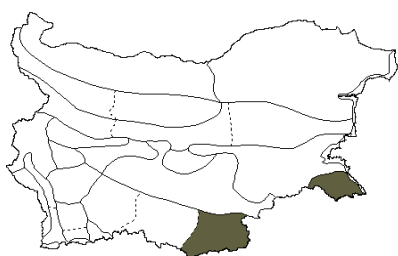
### Orchis pinetorum Boiss. & Kotschy



1500  
⇕  
0

subMed

**Orchis provincialis**  
Balb.



300



0



Med

**Orchis ustulata**  
L.



2000



0

Eur-Sib

**Orchis purpurea**  
Huds.



1500



0

subMed

**Origanum vulgare**  
L.



1700



0

Eur-As

**Orchis simia**  
Lam.



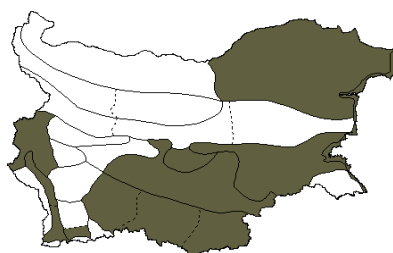
1800



0

subMed

**Orlaya daucooides**  
(L.) Greuter



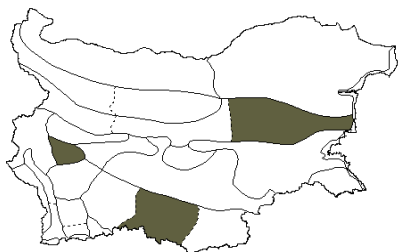
500



0

Eur-As

**Orchis spitzelii**  
Saut. ex Koch



1000

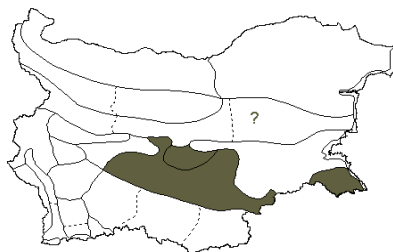


0



subMed

**Orlaya daucorlaya**  
Murb.



200



0

subMed

**Orchis tridentata**  
Scop.



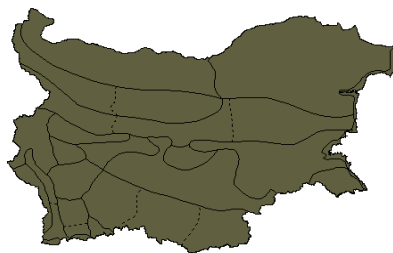
1600



0

Eur-subMed

**Orlaya grandiflora**  
(L.) Hoffm.



900



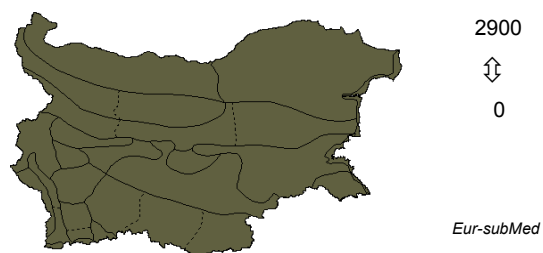
0

Ap-Bal

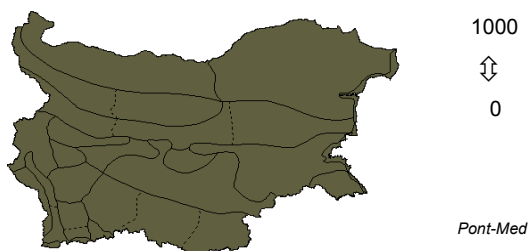
**Ornithogalum amphibolum**  
Zahar.



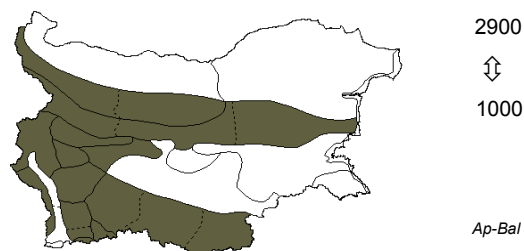
**Ornithogalum kochii**  
Parl.



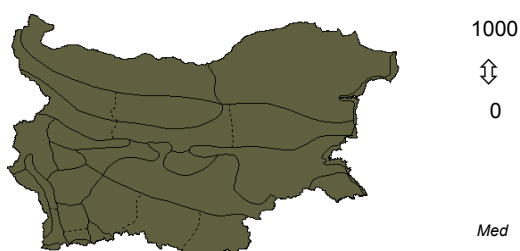
**Ornithogalum boucheanum**  
Asch.



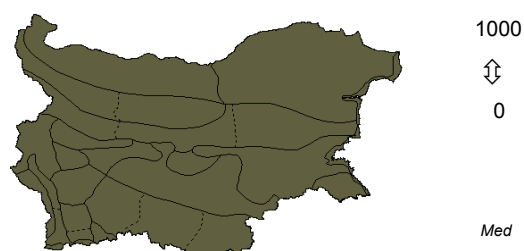
**Ornithogalum montanum**  
Cyr.



**Ornithogalum comosum**  
L.



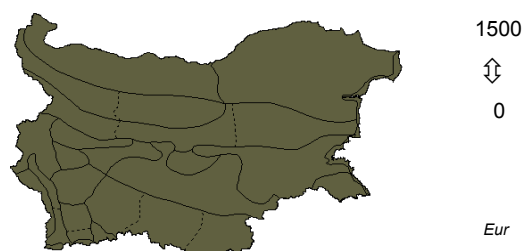
**Ornithogalum narbonense**  
L.



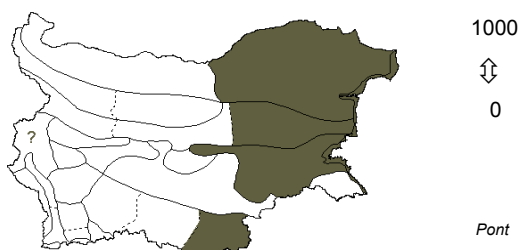
**Ornithogalum divergens**  
Boreau



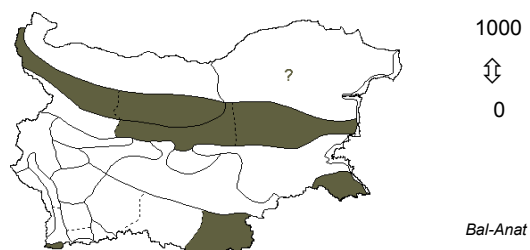
**Ornithogalum nutans**  
L.



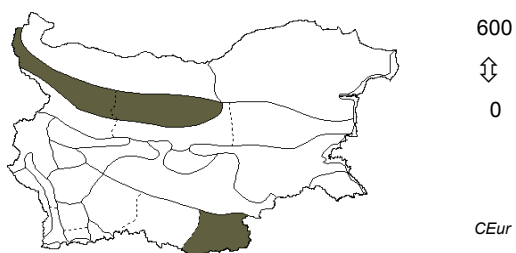
**Ornithogalum fimbriatum**  
Willd.



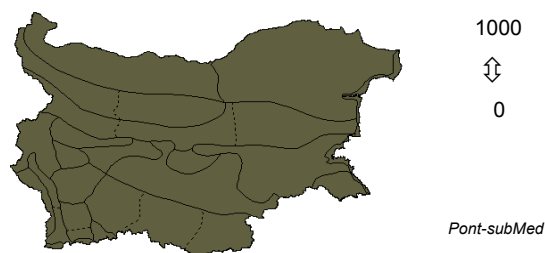
**Ornithogalum oligophyllum**  
Clarke



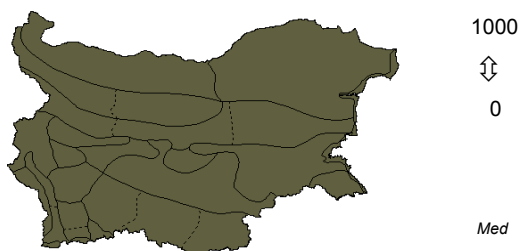
# *Ornithogalum pyramidale* L.



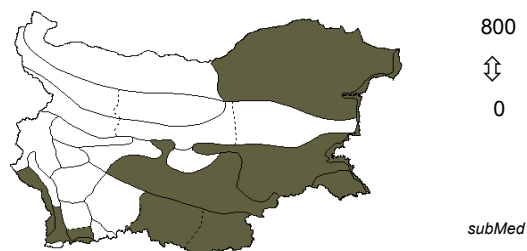
# *Ornithogalum umbellatum* L.



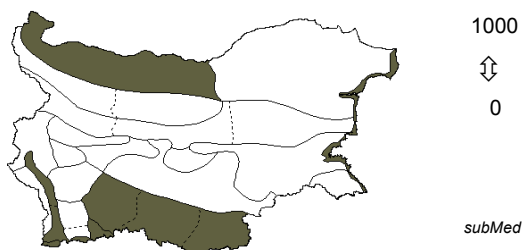
# *Ornithogalum pyrenaicum* L.



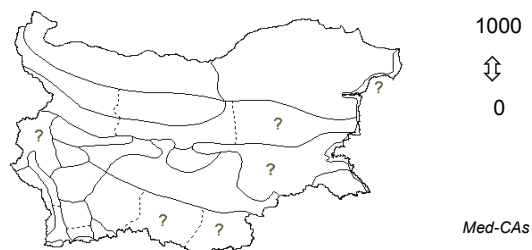
# *Ornithopus compressus* L.



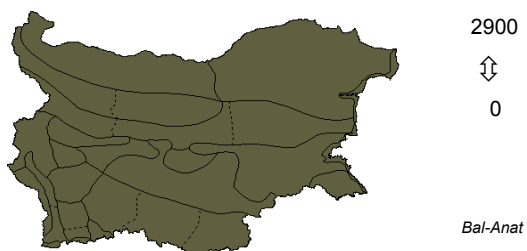
# *Ornithogalum refractum* Kit. ex Schlecht.



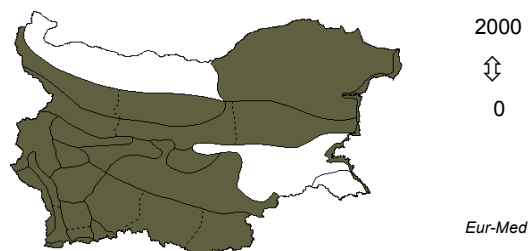
# *Orobanchae aegyptiaca* Pers.



# *Ornithogalum sibthorpii* Greuter



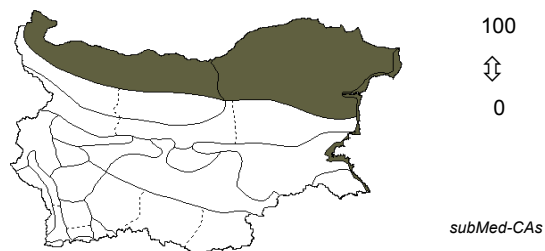
# *Orobanchae alba* Stephan ex Willd.



# *Ornithogalum sphaerocarpum* A. Kern.

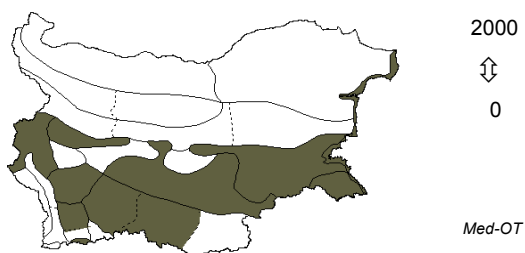


# *Orobanchae alsatica* Kirschl.

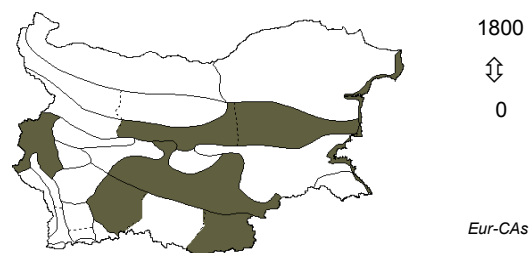




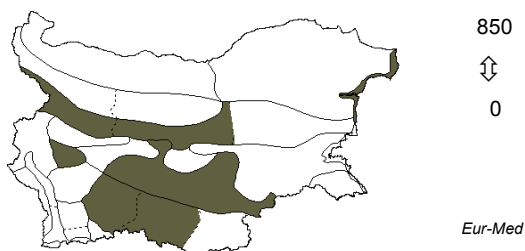
**Orobanche amethystea**  
Thuill.



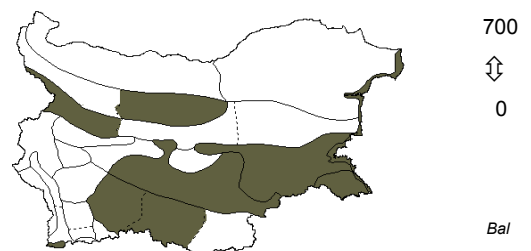
**Orobanche elatior**  
Sutton



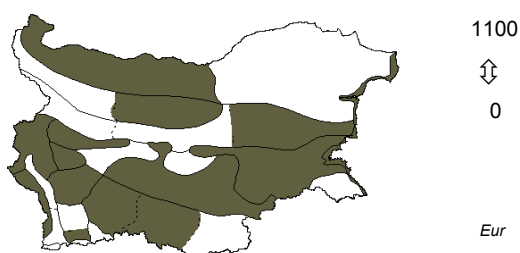
**Orobanche arenaria**  
Borkh.



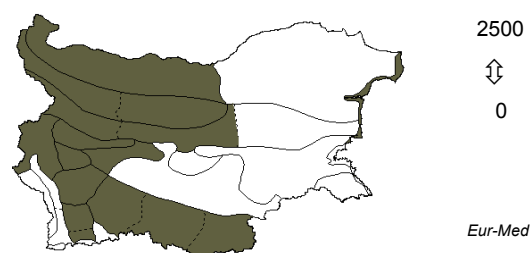
**Orobanche esulae**  
Pančić



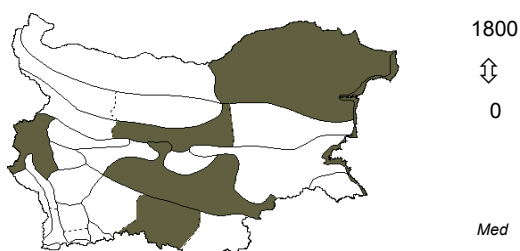
**Orobanche caryophyllacea**  
Sm.



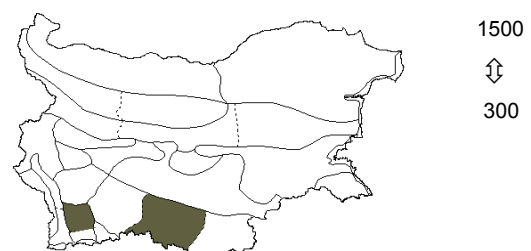
**Orobanche gracilis**  
Sm.



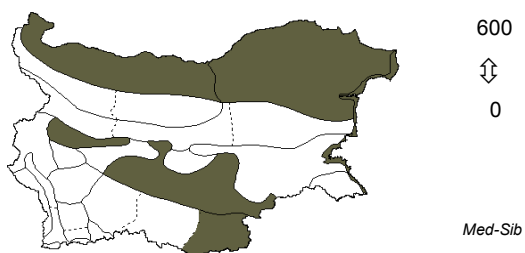
**Orobanche crenata**  
Forssk.



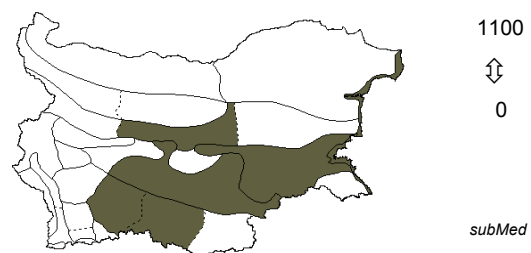
**Orobanche laserpitii-sileris**  
Reut.



**Orobanche cumana**  
Wallr.

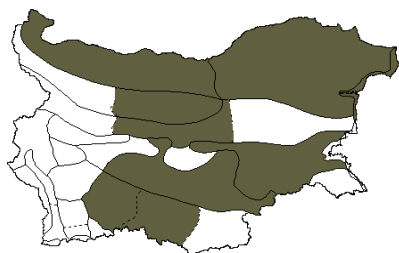


**Orobanche loricata**  
Rchb.



### *Orobanche lutea*

Baumg.



1000

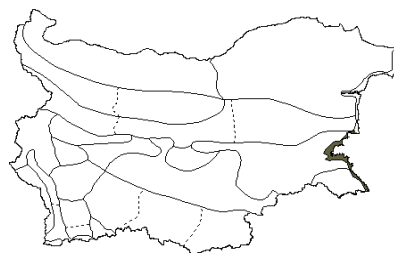


0

Eur-As

### *Orobanche picridis*

F. Schultz ex Koch



100

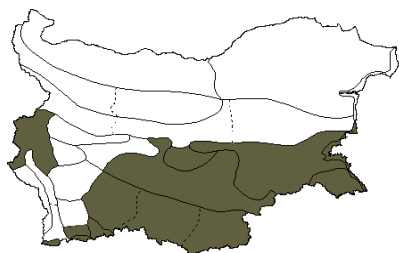


0

Eur

### *Orobanche minor*

Sm.



2000



0

Med

### *Orobanche pubescens*

D'Urv.



750

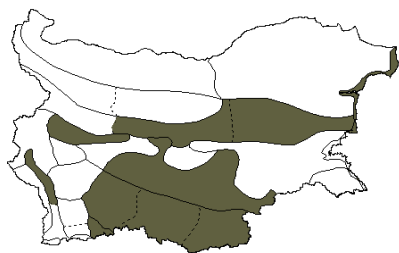


0

Med

### *Orobanche mutelii*

F. W. Schultz



1000

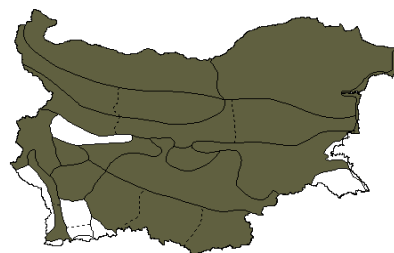


0

Med-OT

### *Orobanche purpurea*

Jacq.



1300

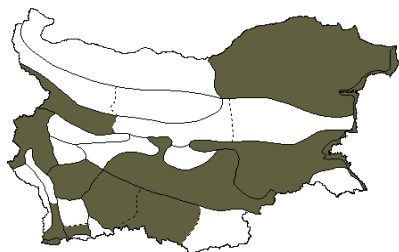


0

Eur

### *Orobanche oxyloba*

(Reut.) Beck



1200

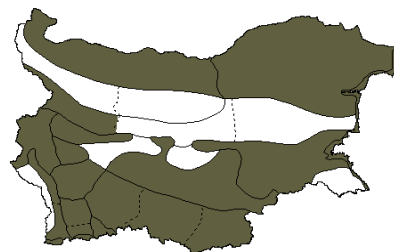


0

Med-CAs

### *Orobanche ramosa*

L.



1400

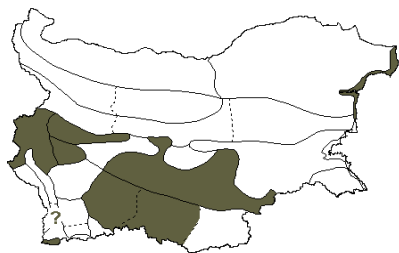


0

Eur-Med

### *Orobanche pancicii*

G. Beck



1400

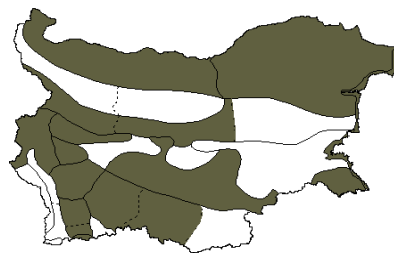


0

Bal

### *Orobanche reticulata*

Wallr.



1700

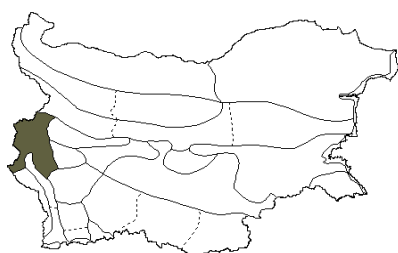


0

Eur

### *Orobanche serbica*

Beck & Petrovič



1000

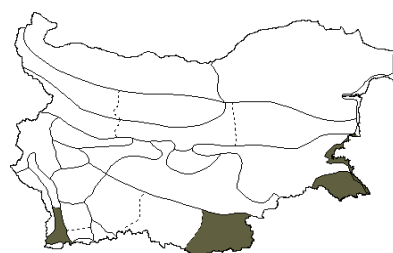


600

Bal

### *Osyris alba*

L.



1000

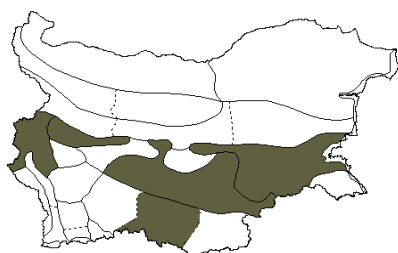


0

Med

### *Orobanche teucrii*

Holandre



1100

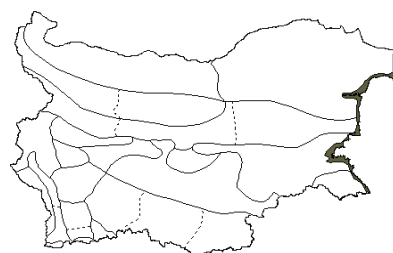


250

subMed

### *Otanthus maritimus*

(L.) Hoffm. & Link



0



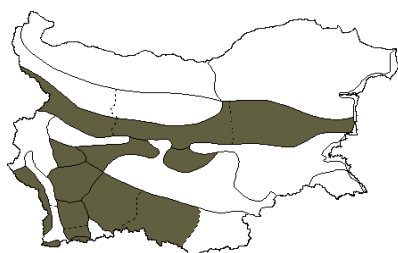
0



Med

### *Orthilia secunda*

(L.) House



2000

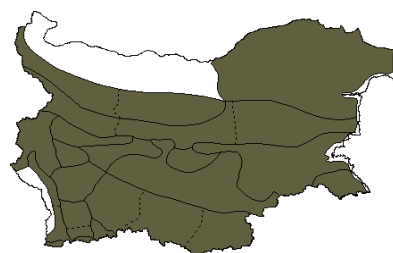


1100

Boreal

### *Oxalis acetosella*

L.



2000

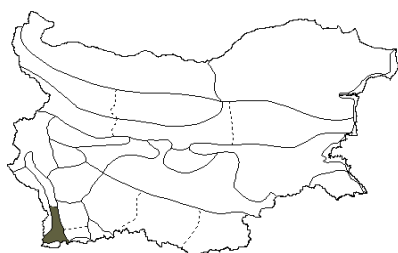


400

subBoreal

### *Osmunda regalis*

L.



500



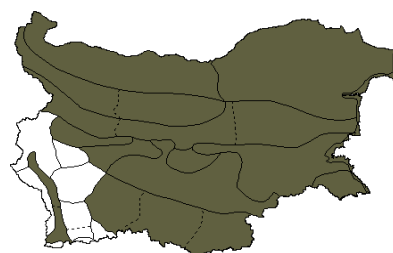
0



Kos

### *Oxalis corniculata*

L.



1000

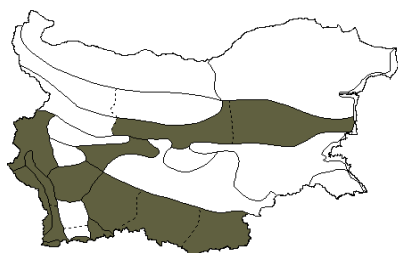


0

Eur-As

### *Ostrya carpinifolia*

Scop.



1200

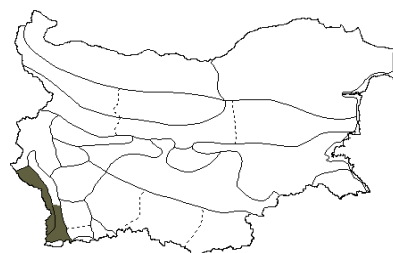


0

subMed

### *Oxalis dillenii*

Jacq.



500

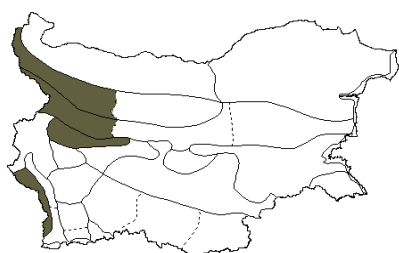


0

Adv (NAm)

### *Oxalis fontana*

Bunge



300

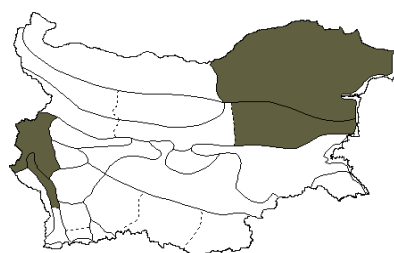


0

Adv (NAm)

### *Oxytropis pilosa*

(L.) DC.



800

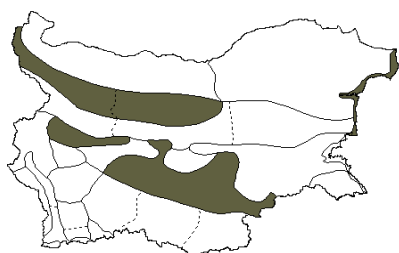


0

Eur-CAs

### *Oxalis stricta*

L.



800

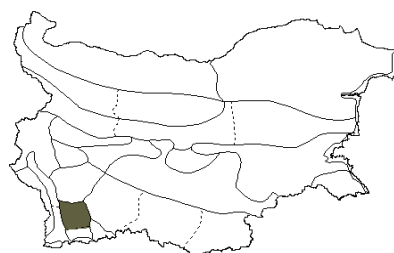


0

Adv

### *Oxytropis urumovii*

Jav.



2900

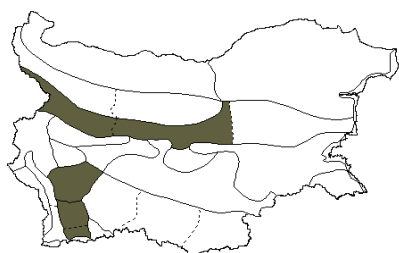


2500

Bul

### *Oxyria digyna*

(L.) Hill



2800

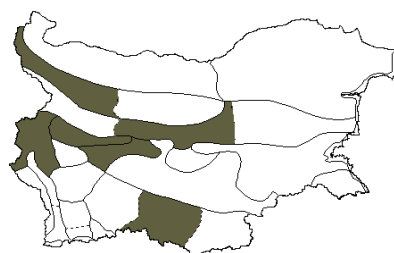


1800

Arct-Alp

### *Paeonia mascula*

(L.) Mill.



1500



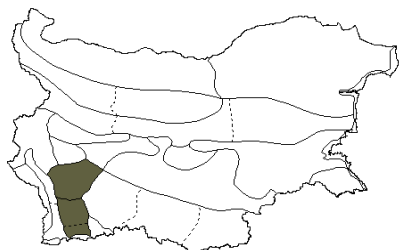
0



Pont-Med

### *Oxytropis campestris*

(L.) DC.



2500

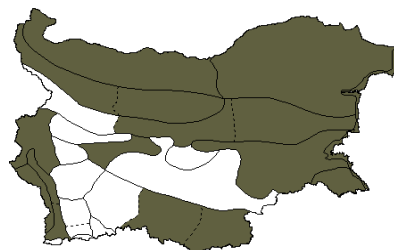


2500

Boreal

### *Paeonia peregrina*

Mill.



1000

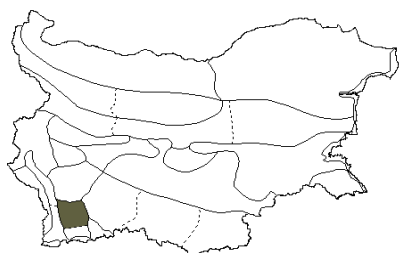


0

subMed

### *Oxytropis kozhucharovii*

D. Pavlova, D. Dimitrov, M. Nikolova



2400

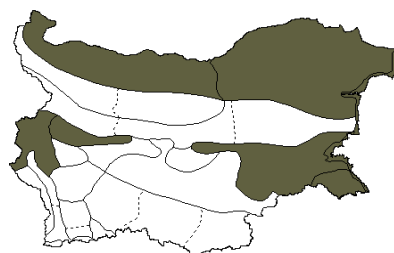


2200

Bul

### *Paeonia tenuifolia*

L.



600

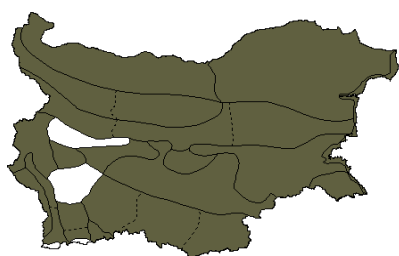


0



subMed

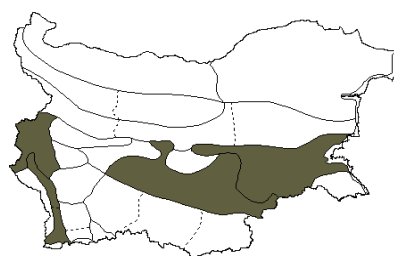
**Paliurus spina-christi**  
Mill.



600  
⇕  
0

Eur-As

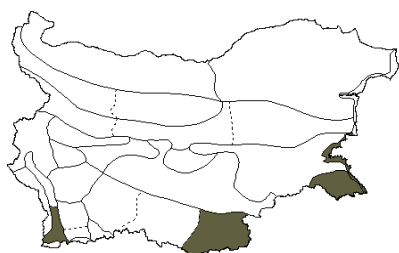
**Papaver apulum**  
Ten.



1000  
⇕  
0

Med

**Pallenis spinosa**  
(L.) Cass.

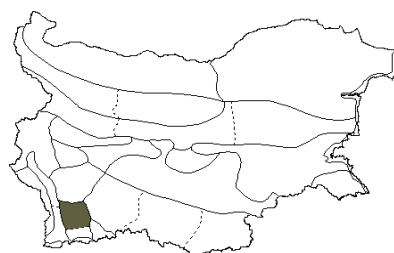


500  
⇕  
0

!

Med

**Papaver degenii**  
(Urum. & Jav.) Kuzmanov

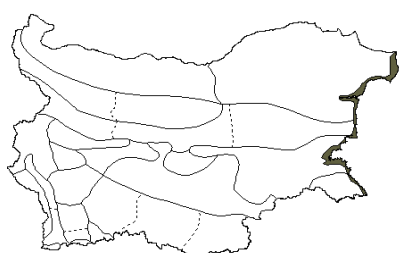


2900  
⇕  
2100

!

Bul

**Pancratium maritimum**  
L.

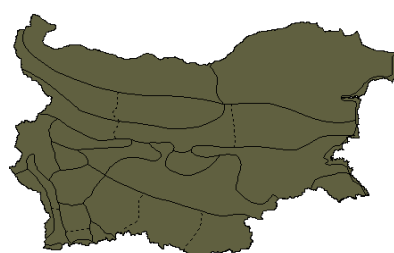


0  
⇕  
0

!

Pont-Med

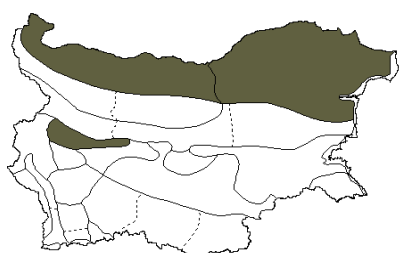
**Papaver dubium**  
L.



1000  
⇕  
0

Med

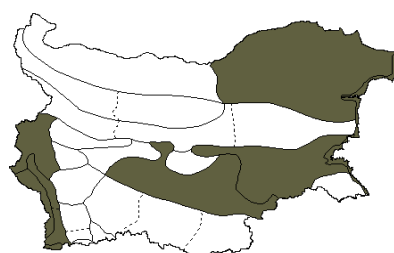
**Panicum capillare**  
L.



300  
⇕  
0

Adv (NAм)

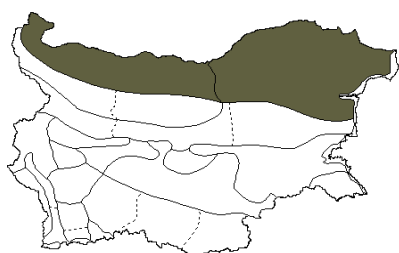
**Papaver hybridum**  
L.



500  
⇕  
0

Med-CAs

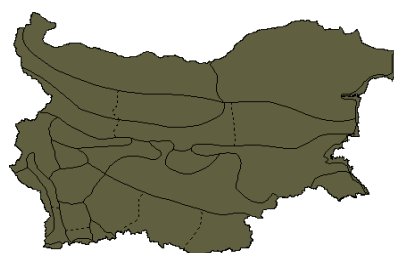
**Panicum dichotomiflorum**  
Michaux.



100  
⇕  
0

Adv (NAм)

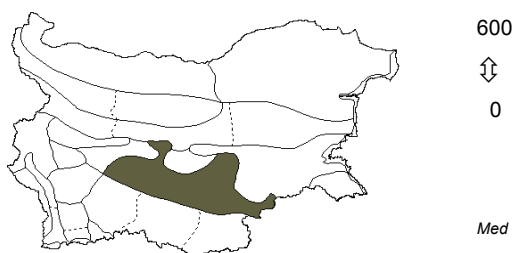
**Papaver laevigatum**  
M. Bieb.



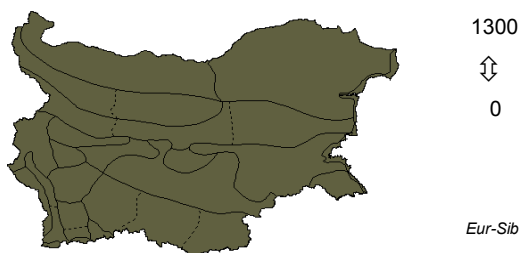
1000  
⇕  
0

subMed

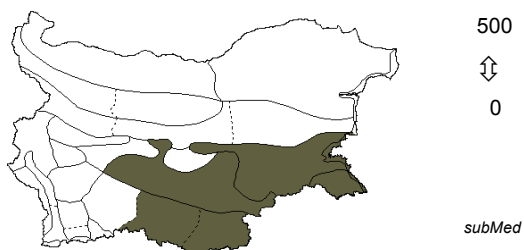
**Papaver pinnatifidum**  
Moris



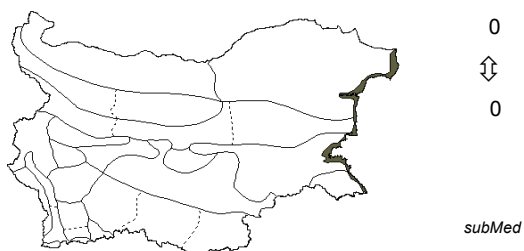
**Papaver rhoeas**  
L.



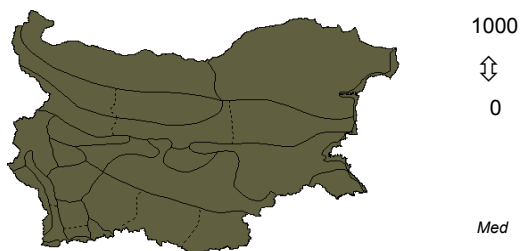
**Papaver rumelicum**  
Velen.



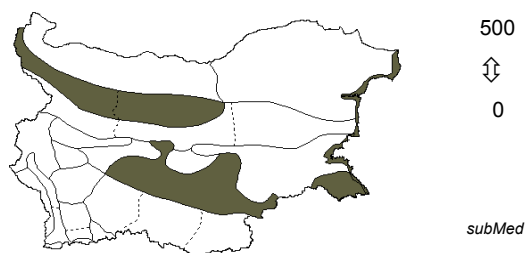
**Parapholis incurva**  
(L.) C. E. Hubb.



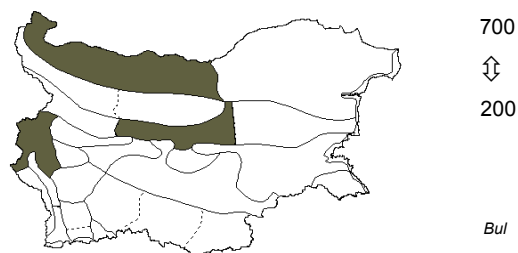
**Parentucellia latifolia**  
(L.) Caruel



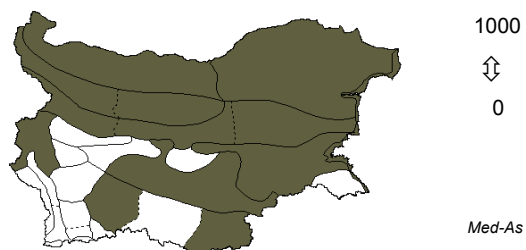
**Parietaria diffusa**  
Mert & Koch



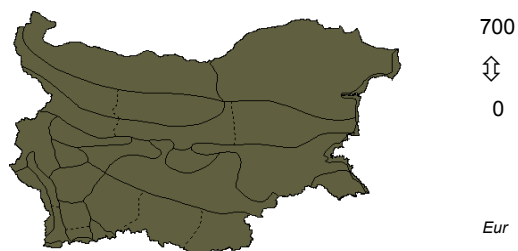
**Parietaria erronea**  
Panov



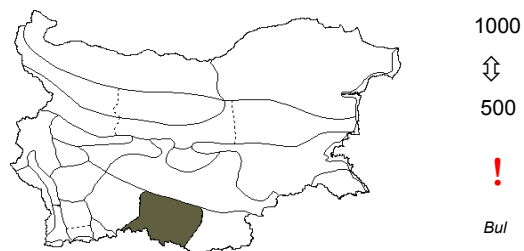
**Parietaria lusitanica**  
L.



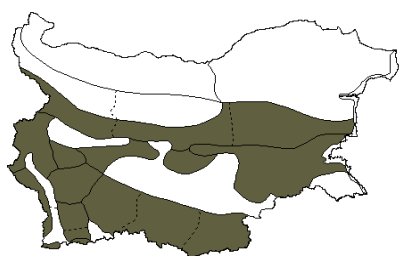
**Parietaria officinalis**  
L.



**Parietaria rhodopaea**  
Panov



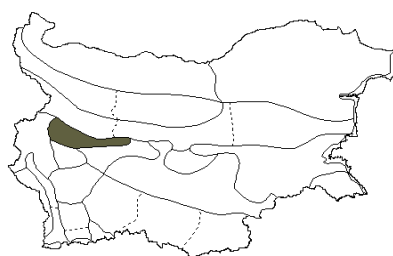
**Paris quadrifolia**  
L.



1800  
⇕  
600

Eur-Sib

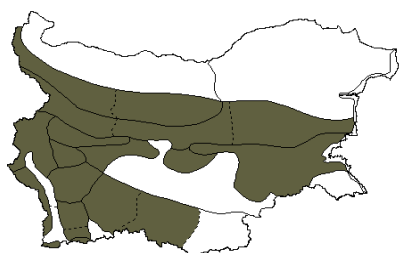
**Parthenocissus inserta**  
(A. Kern.) Fritsch



1000  
⇕  
0

Adv (NAм)

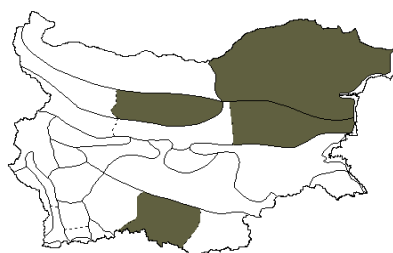
**Parnassia palustris**  
L.



2000  
⇕  
400

subBoreal

**Parthenocissus quinquefolia**  
(L.) Planch.



500  
⇕  
0

Adv (NAм)

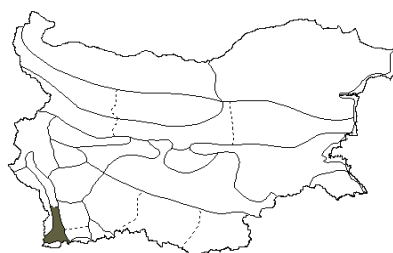
**Paronychia cephalotes**  
(M. Bieb.) Besser



2200  
⇕  
0

Pont

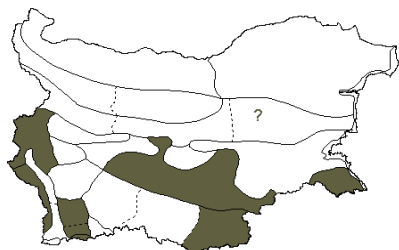
**Parvotrisetum myrianthum**  
(Bertol.) Chrtek



100  
⇕  
0

Med

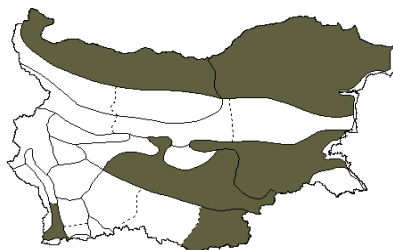
**Paronychia kapela**  
(Hacq.) A. Kern.



2900  
⇕  
500

subMed

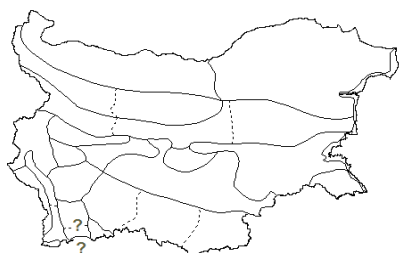
**Paspalum paspalodes**  
(Michx.) Scribn.



200  
⇕  
0

Adv (Paleo)

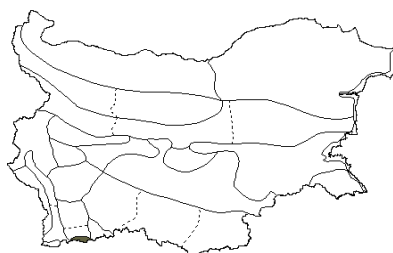
**Paronychia rechingeri**  
Chaudhri



⇕

Bal

**Pastinaca argyrophylla**  
Delip.



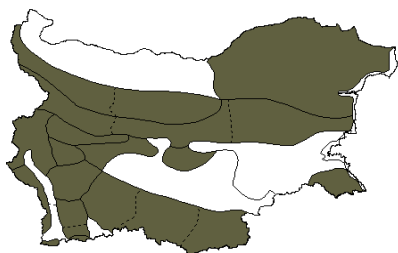
2000  
⇕  
1800

!

Bal

**Pastinaca hirsuta**

Pančić



2000

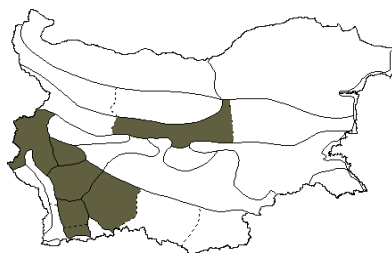


500

Bal

**Pedicularis hoermanniana**

K. Maly



2000



1300

Bal-Alp

**Pastinaca sativa**

L.



1500

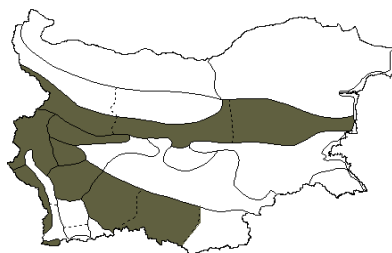


0

Eur-Sib

**Pedicularis leucodon**

Griseb.



1000

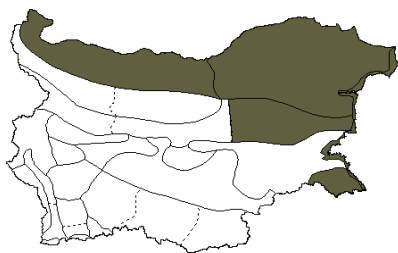


0

Bal

**Pastinaca umbrosa**

Steven & DC.



500

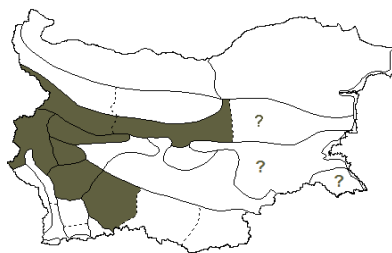


0

Med

**Pedicularis moesiaca**

Standl.



1200

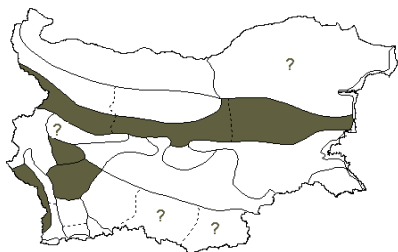


200

Bal

**Pedicularis comosa**

L.



1300

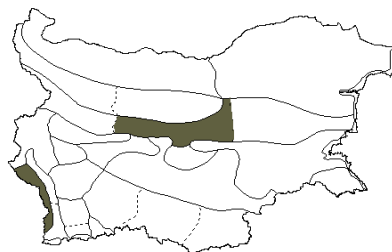


0

Eur-Med

**Pedicularis occulta**

Janka



2000

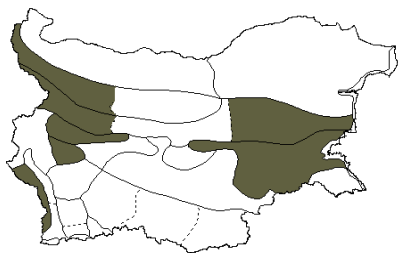


1000

Bul

**Pedicularis grisebachii**

Wettst.



1500

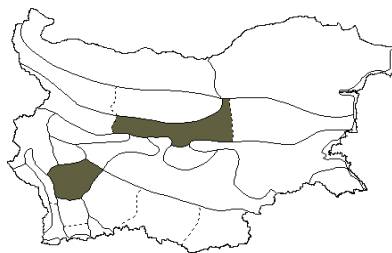


100

Bal

**Pedicularis oederi**

Vahl



2900

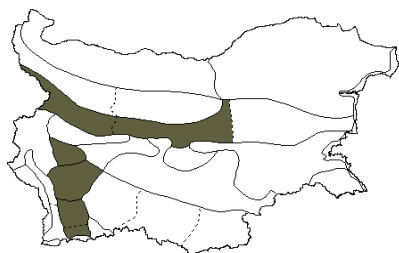


2000

Arct-Alp



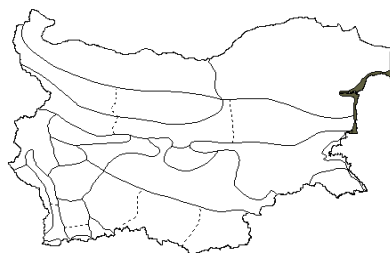
**Pedicularis orthantha**  
Griseb.



2500  
⇕  
1400

Bal

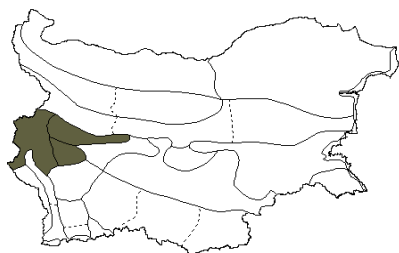
**Pennisetum setaceum**  
(Forssk.) Chiov.



100  
⇕  
0

Adv (NAm)

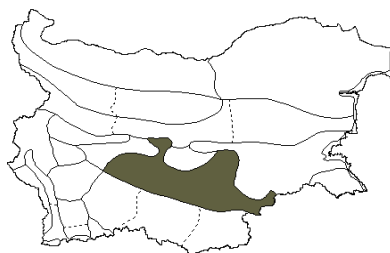
**Pedicularis palustris**  
L.



1000  
⇕  
500

!  
Eur-As

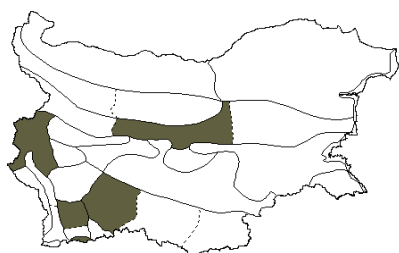
**Peplis alternifolia**  
M. Bieb.



200  
⇕  
0

!  
Pont-WAs

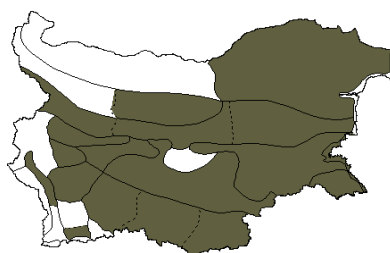
**Pedicularis petiolaris**  
Ten.



2500  
⇕  
1000

Ap-Bal

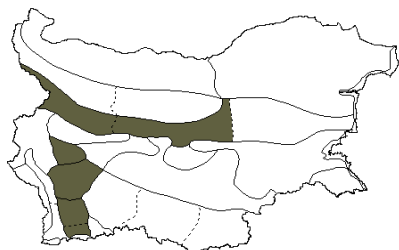
**Peplis portula**  
L.



1400  
⇕  
0

Eur-Sib

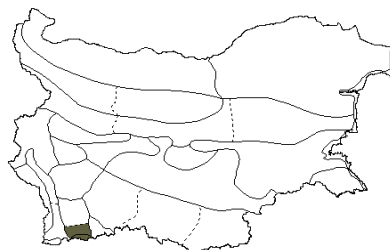
**Pedicularis verticillata**  
L.



2900  
⇕  
1000

Boreal

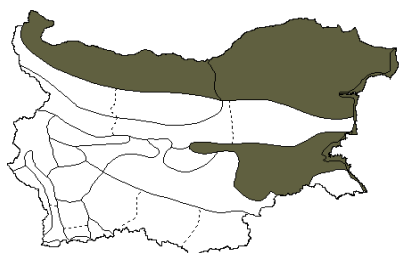
**Peridictyon sanctum**  
(Janka) Seberg, S. Frederiksen & Baden



1200  
⇕  
700

Bal

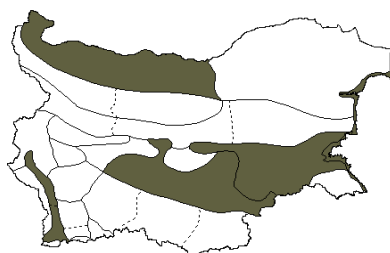
**Peganum harmala**  
L.



100  
⇕  
0

Eur-As

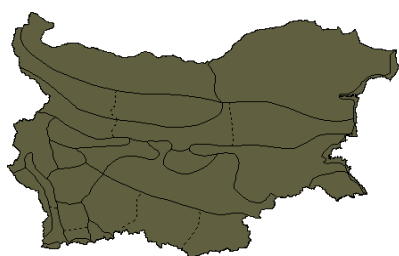
**Periploca graeca**  
L.



300  
⇕  
0

Pont-Med

**Persicaria amphibia**  
(L.) Gray



1200  
⇕  
0

Kos

**Persicaria mitis**  
(Schränk.) Opiz



1000  
⇕  
0

Eur-Med

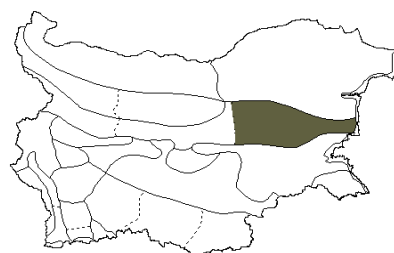
**Persicaria hydropiper**  
(L.) Opiz



1000  
⇕  
0

Eur-As

**Persicaria salicifolia**  
(Brouss. ex Willd.) Assenov



500  
⇕  
0

subKos

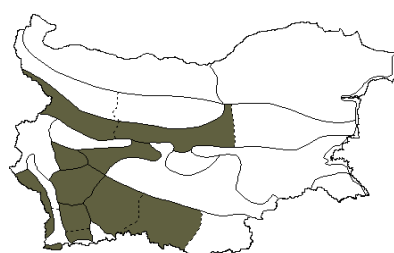
**Persicaria lapathifolia**  
(L.) Gray



1000  
⇕  
0

Boreal

**Petasites albus**  
(L.) Gaertn.



2500  
⇕  
1800

Eur-Pont

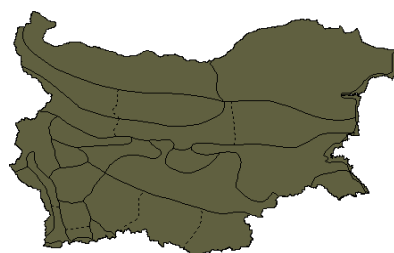
**Persicaria maculata**  
(Raf.) Gray



1700  
⇕  
0

Eur-As

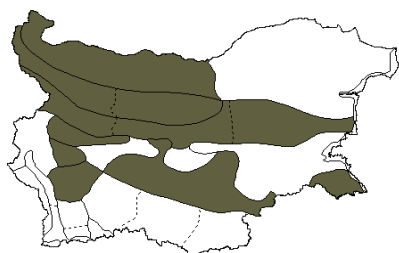
**Petasites hybridus**  
(L.) Gaertn.



1800  
⇕  
0

Eur

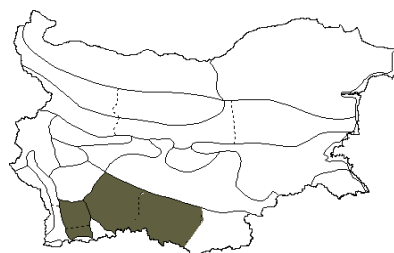
**Persicaria minor**  
(Huds.) Opiz



1500  
⇕  
0

Eur-As

**Petasites kablikianus**  
Tausch ex Berch.



2000  
⇕  
0

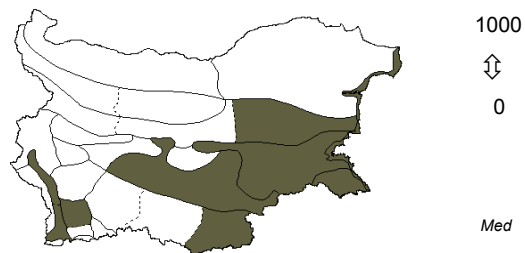
!

Carp-Bal

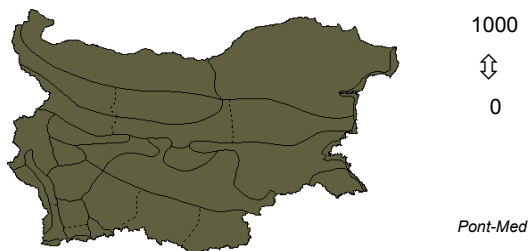
**Petrorhagia alpina**  
(Hablitz) P. W. Ball & Heywood



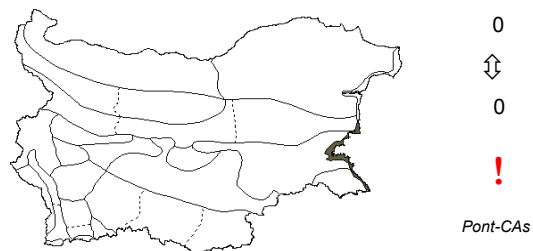
**Petrorhagia velutina**  
(Guss.) P. W. Ball & Heywood



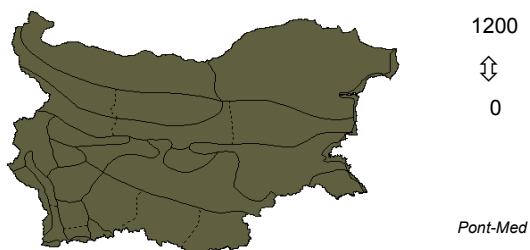
**Petrorhagia illyrica**  
(Ard.) P. W. Ball & Heywood



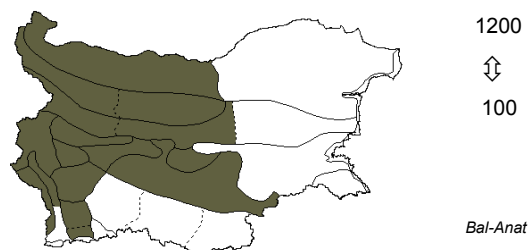
**Petrosimonia brachiata**  
(Pall.) Bunge



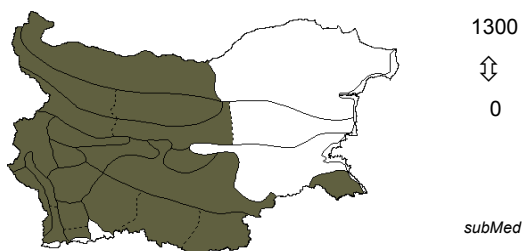
**Petrorhagia prolifera**  
(L.) P. W. Ball & Heywood



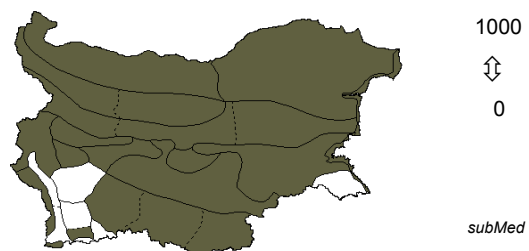
**Peucedanum aegopodioides**  
(Boiss.) Vandas



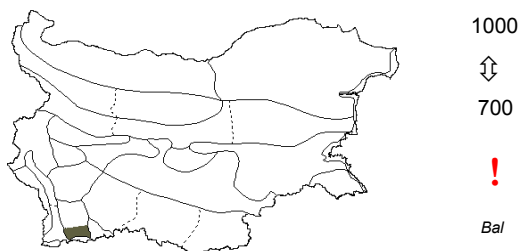
**Petrorhagia saxifraga**  
(L.) Link



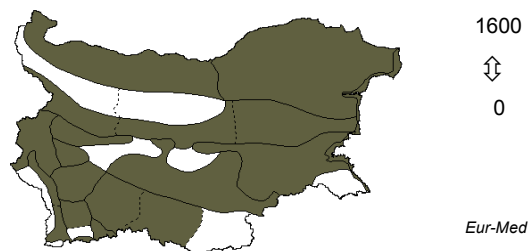
**Peucedanum alsaticum**  
L.



**Petrorhagia thessala**  
(Boiss.) P. W. Ball & Heywood

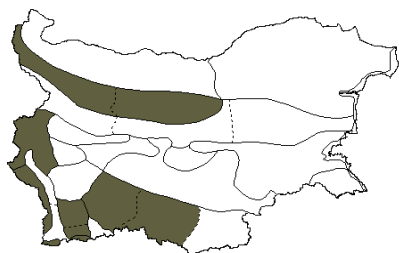


**Peucedanum arenarium**  
Waldst. & Kit.



### Peucedanum austriacum

(Jacq.) Koch



1900

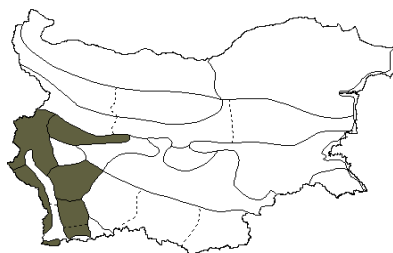


1000

Pont

### Peucedanum oligophyllum

(Griseb.) Vandas



2600

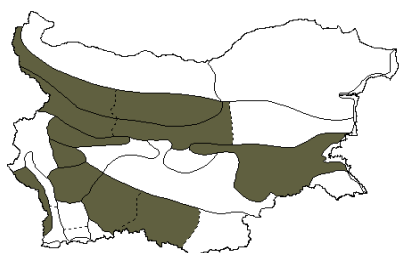


1100

Bal

### Peucedanum carvifolium

Vill.



1200

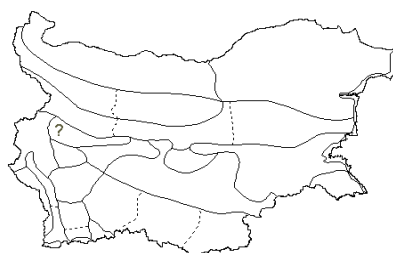


300

subMed

### Peucedanum ostruthium

(L.) Koch



800

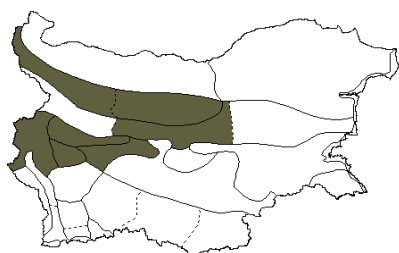


600

SEur

### Peucedanum cervaria

(L.) Lapeyr.



1000

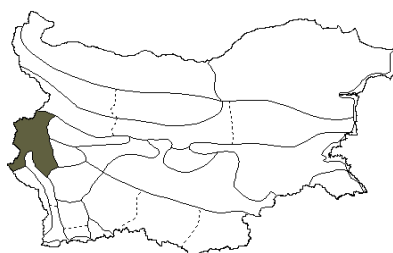


0

subMed

### Peucedanum palustre

(L.) Moench



650



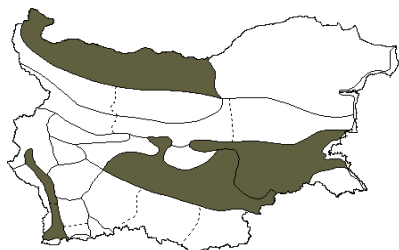
650



Eur-Sib

### Peucedanum longifolium

Waldst. & Kit.



600

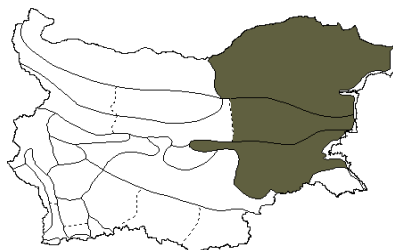


100

subMed

### Peucedanum ruthenicum

M. Bieb.



500



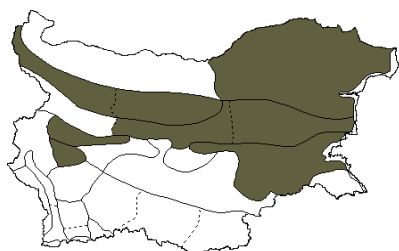
300



Pont

### Peucedanum officinale

L.



900

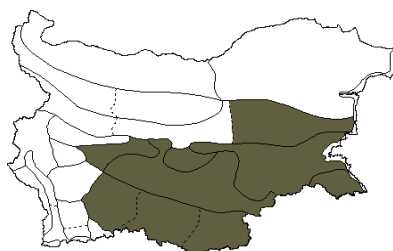


100

Eur-Med

### Peucedanum vittijugum

Boiss.



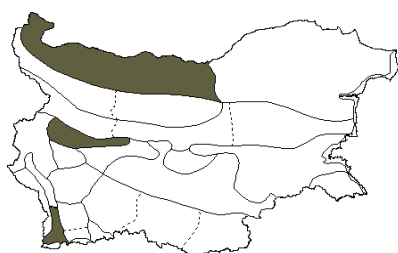
500



100

Bal

**Phacelia tanacetifolia**  
Benth.



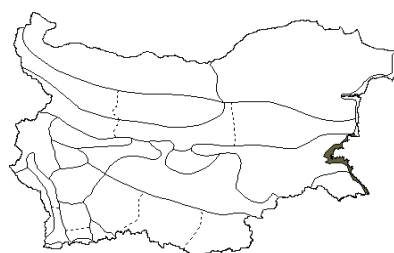
500



0

Adv

**Phalaris paradoxa**  
L.



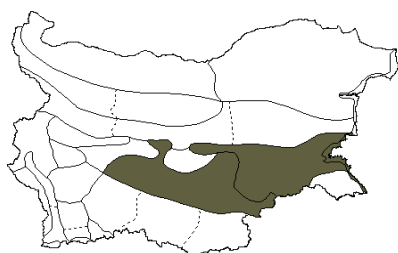
100



0

Adv

**Phacelurus digitatus**  
(Sm.) Griseb.



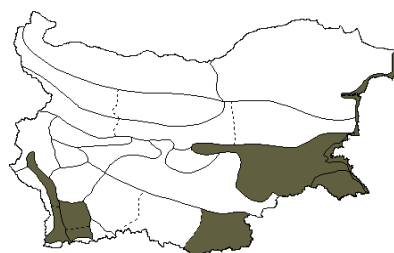
100



0

Med

**Phillyrea latifolia**  
L.



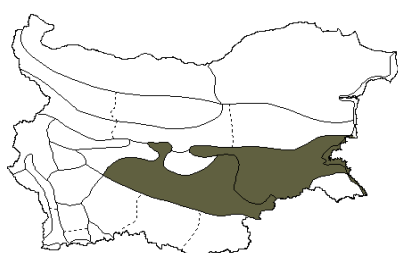
500



0

Med

**Phalaris aquatica**  
L.



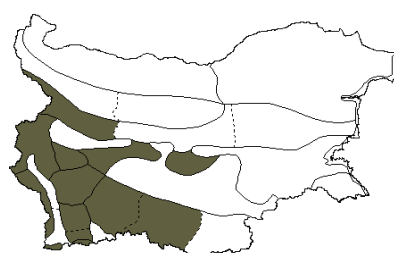
100



0

Med

**Phleum alpinum**  
L.



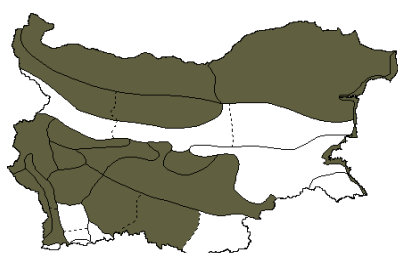
2500



1600

Arct-Alp

**Phalaris arundinacea**  
L.



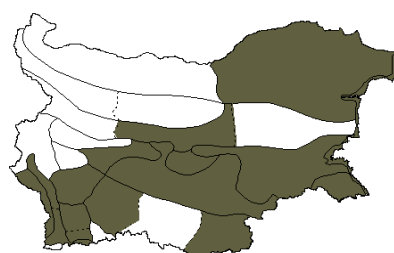
600



0

Boreal

**Phleum graecum**  
Boiss. & Heldr.



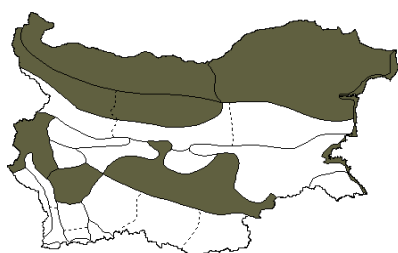
700



0

subMed-As

**Phalaris canariensis**  
L.



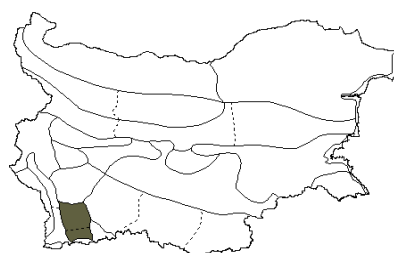
400



0

Med

**Phleum hirsutum**  
Honck.



2300

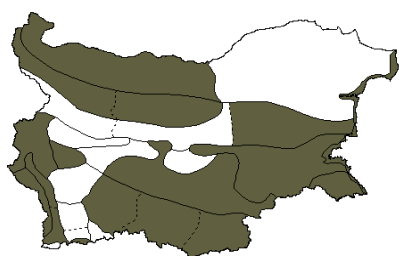


1700

Alp-Carp-Bal

### Phleum montanum

C. Koch



1000

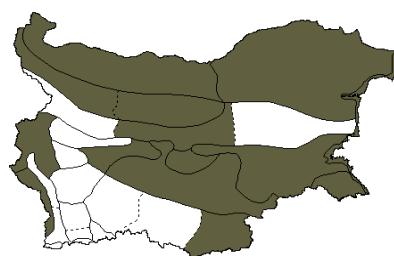


0

Med

### Phlomis herba-venti

L.



1000

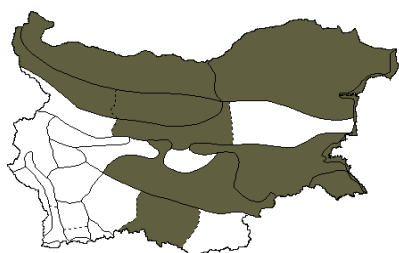


0

Eur-As

### Phleum paniculatum

Huds.



500

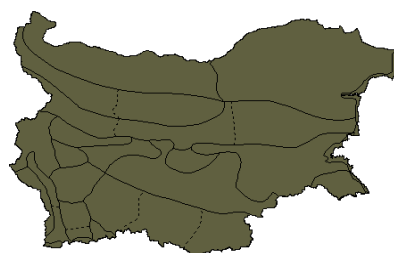


0

Eur-As

### Phlomis tuberosa

L.



1200



0

Eur-Sib

### Phleum phleoides

(L.) Karst.



2000

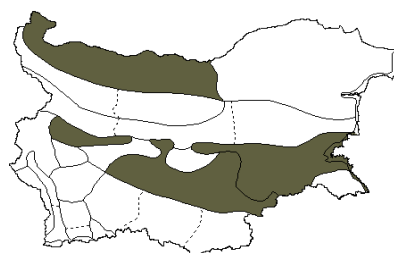


0

Eur-As

### Pholiurus pannonicus

(Host) Trin.



500



0

Pont-CAs

### Phleum pratense

L.



1700

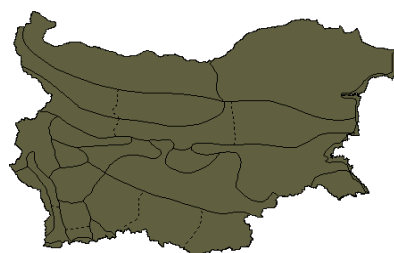


0

Eur-subMed

### Phragmites australis

(Cav.) Trin. ex Steud.



1500

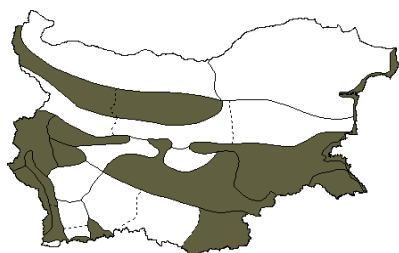


0

Kos

### Phleum subulatum

(Savi) Asch. & Graebn.



700



0

Eur-As

### Phyllitis scolopendrium

(L.) Newman



1800



0

subBoreal

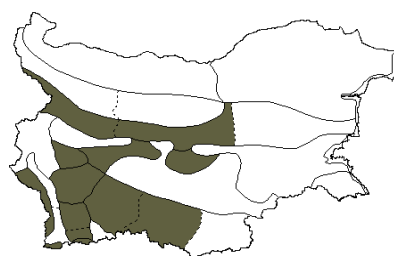
**Physalis alkekengii**  
L.



1000  
⇕  
0

Eur-As

**Picea abies**  
(L.) Karst.



2200  
⇕  
1400

Boreal

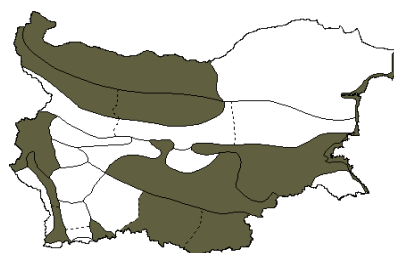
**Physospermum cornubiense**  
(L.) DC.



1700  
⇕  
0

Eur-Med

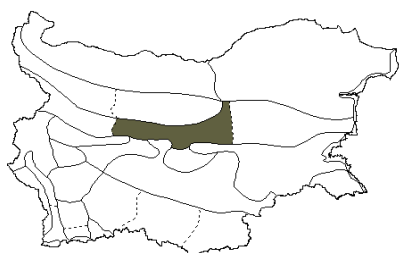
**Picnemon acarna**  
(L.) Cass.



1000  
⇕  
0

Med

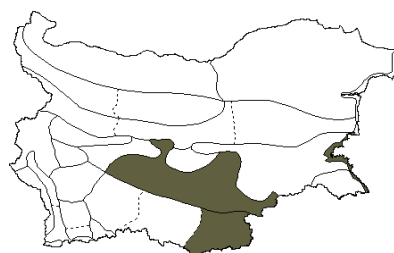
**Phyteuma confusum**  
A. Kern.



2300  
⇕  
1700

Alp-Carp-Bal

**Picris altissima**  
Delile



500  
⇕  
0

subMed

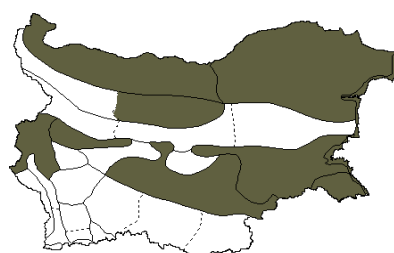
**Phytolacca americana**  
L.



500  
⇕  
0

Adv

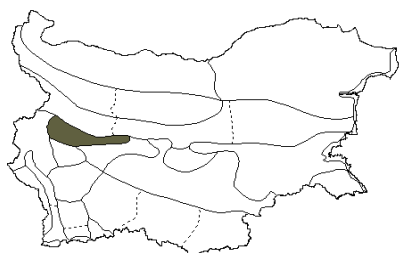
**Picris echiodes**  
L.



1000  
⇕  
0

Med

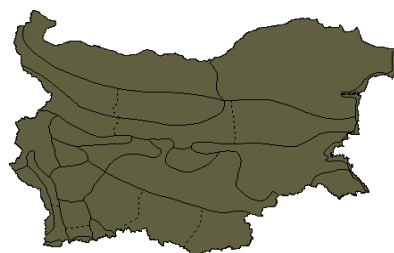
**Phytolacca esculenta**  
Van Houtte



1000  
⇕  
0

Adv (As)

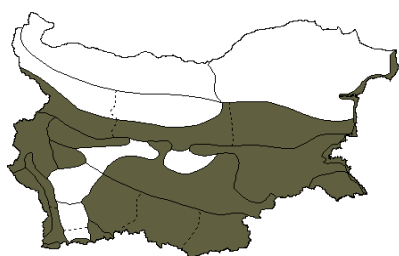
**Picris hieracioides**  
L.



2000  
⇕  
300

Eur-As

**Picris pauciflora**  
Willd.



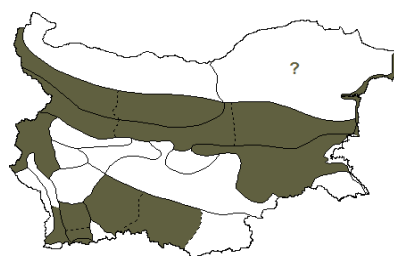
1000



0

Med

**Pimpinella tragium**  
Vill.



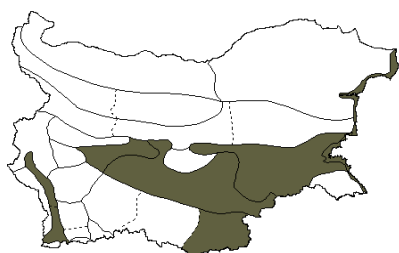
1400



0

Pont-subMed

**Picris sprengerana**  
(L.) Poir.



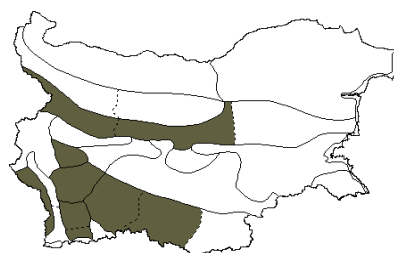
1000



0

Med

**Pinguicula balcanica**  
Casper



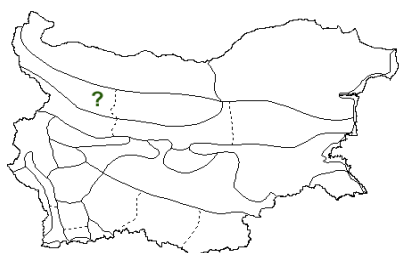
2800



900

Bal

**Pimpinella major**  
(L.) Huds.



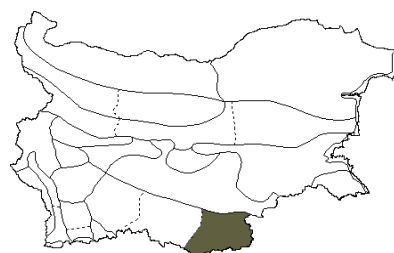
1000



0

Eur

**Pinus brutia**  
Ten.



300

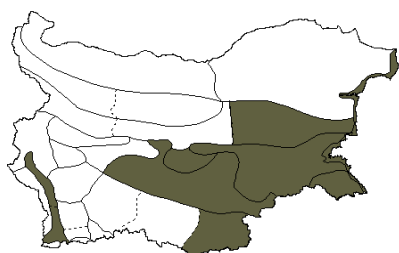


300



Med

**Pimpinella peregrina**  
L.



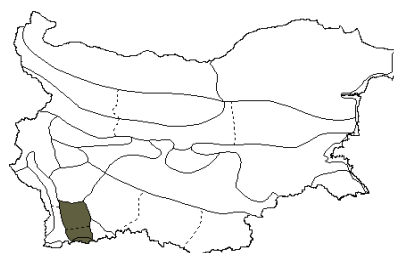
400



0

Pont-Med

**Pinus heldreichii**  
Christ.



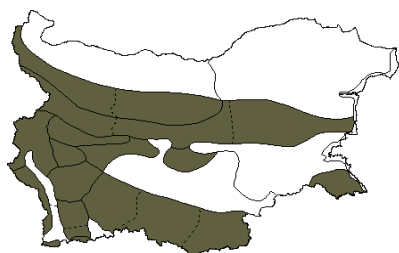
2400



1400

Ap-Bal

**Pimpinella saxifraga**  
L.



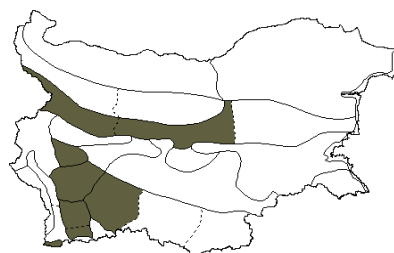
1800



400

Eur-As

**Pinus mugo**  
Turra



2500

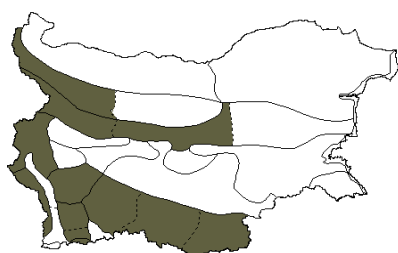


1700

Alp-Carp-Bal



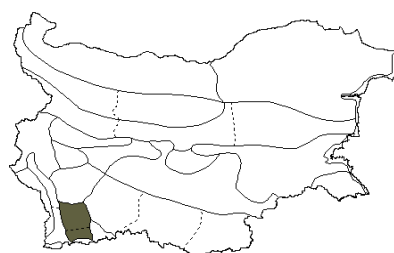
**Pinus nigra**  
Arnold



1600  
⇕  
0

subMed

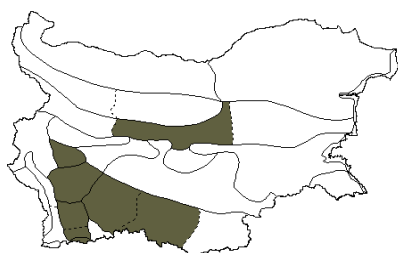
**Pirinia koenigii**  
M. Král



2300  
⇕  
2300

Bul

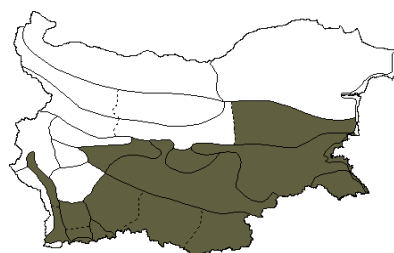
**Pinus peuce**  
Griseb.



2200  
⇕  
1200

Bal

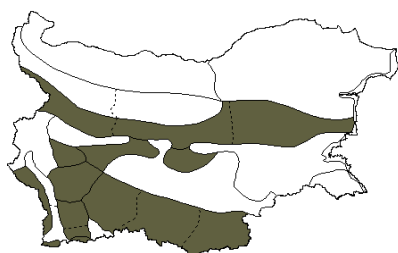
**Pistacia terebinthus**  
L.



400  
⇕  
0

Pont-Med

**Pinus sylvestris**  
L.



2200  
⇕  
1000

subBoreal

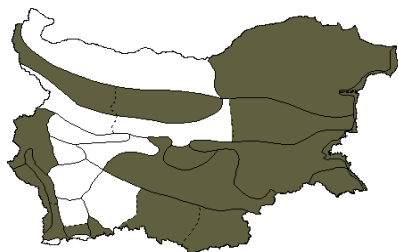
**Pisum elatius**  
M. Bieb.



800  
⇕  
0

Eur

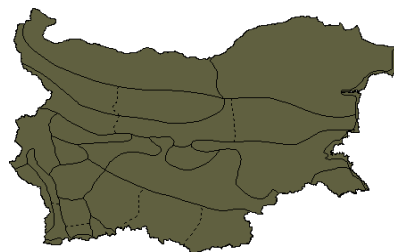
**Piptatherum holciforme**  
(M. Bieb.) Roem. & Schult.



400  
⇕  
0

subMed

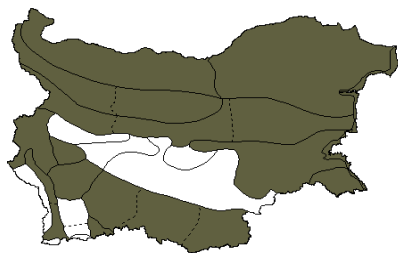
**Pisum sativum**  
L.



500  
⇕  
0

Eur

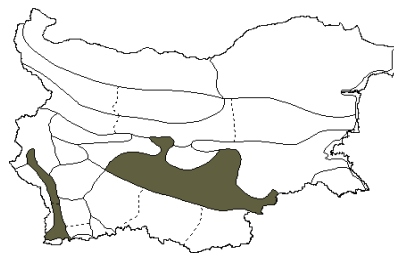
**Piptatherum virescens**  
(Trin.) Boiss.



1000  
⇕  
0

Med

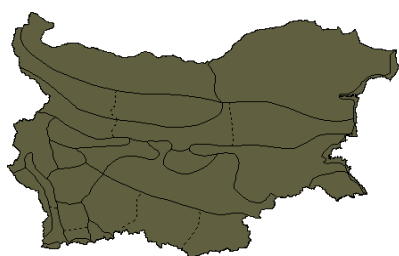
**Plantago afra**  
L.



1000  
⇕  
0

Med-SAs

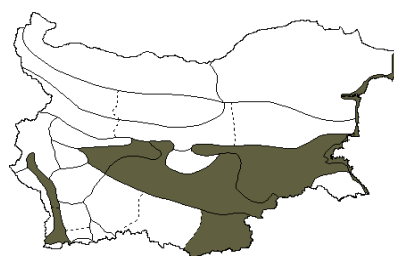
**Plantago altissima**  
L.



1000  
⇕  
0

Eur-Sib

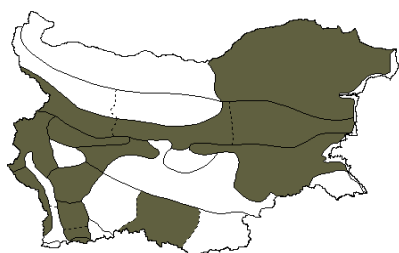
**Plantago coronopus**  
L.



100  
⇕  
0

Eur-Med

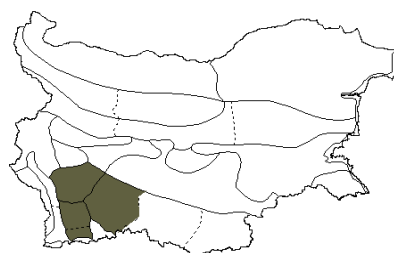
**Plantago argentea**  
Chaix



1000  
⇕  
0

subMed

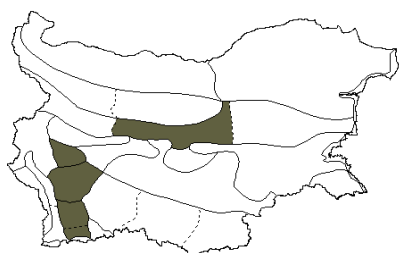
**Plantago gentianoides**  
Sm.



2900  
⇕  
1500

Bal-CAs

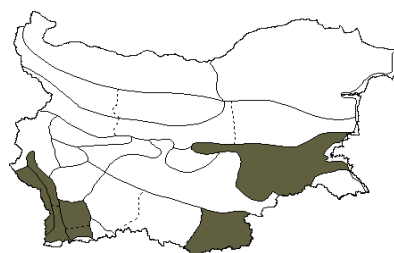
**Plantago atrata**  
Hoppe



2900  
⇕  
1500

subMed

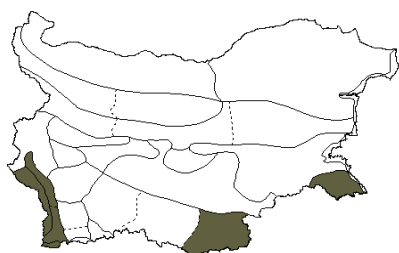
**Plantago lagopus**  
L.



500  
⇕  
0

Med

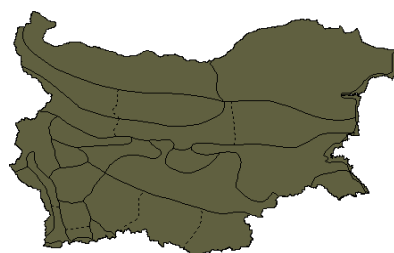
**Plantago bellardii**  
All.



500  
⇕  
0

Med

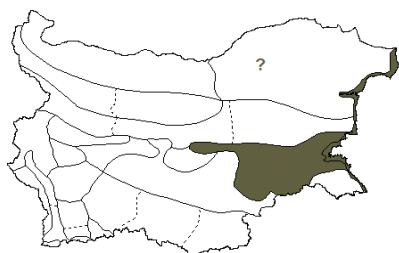
**Plantago lanceolata**  
L.



2000  
⇕  
0

Kos

**Plantago cornuti**  
L.

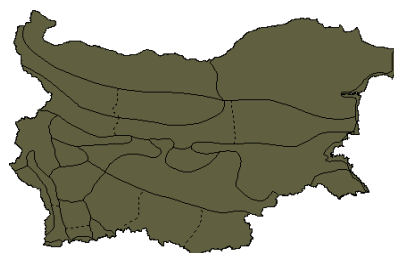


500  
⇕  
0

!

Med-CAs

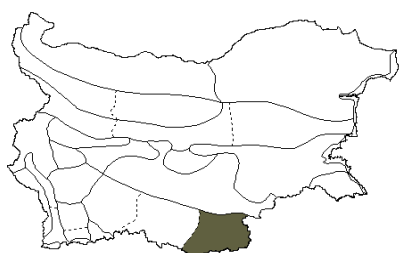
**Plantago major**  
L.



2000  
⇕  
0

Boreal

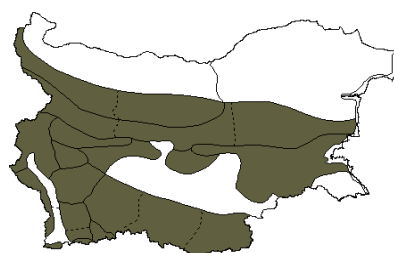
### *Plantago maritima*



0  
⇕  
0

SEur

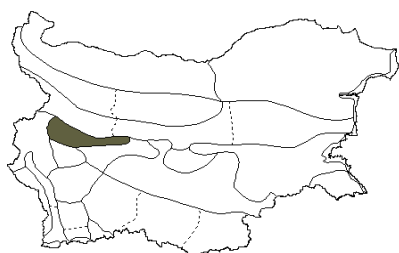
### *Plantago subulata* L.



2900  
⇕  
500

Med

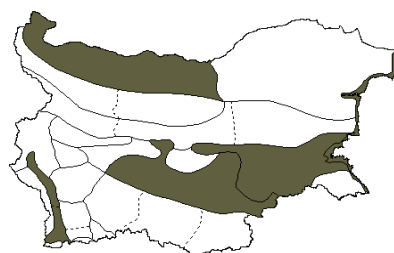
### *Plantago maxima* Juss. ex Jacq.



700  
⇕  
700

! Eur-As

### *Plantago tenuiflora* Waldst. & Kit.



600  
⇕  
0

Pont-CAs

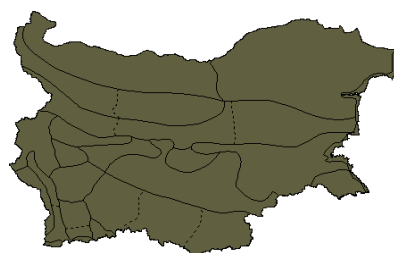
### *Plantago media* L.



2000  
⇕  
0

Boreal

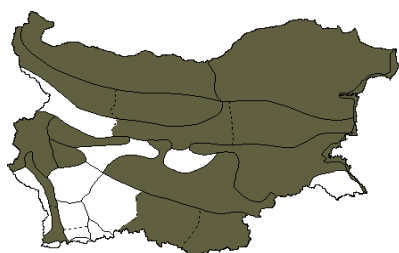
### *Platanthera bifolia* (L.) Rich.



1500  
⇕  
0

Eur-As

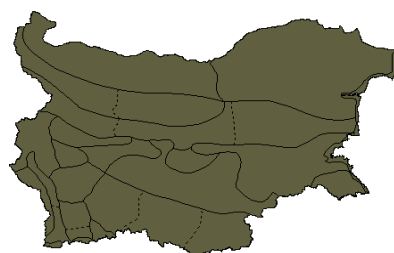
### *Plantago scabra* Moench



1000  
⇕  
0

Eur-Sib

### *Platanthera chlorantha* (Custer) Rchb.



1200  
⇕  
0

Eur-Sib

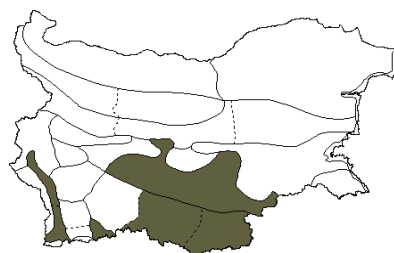
### *Plantago sempervirens* Crantz



950  
⇕  
700

subMed

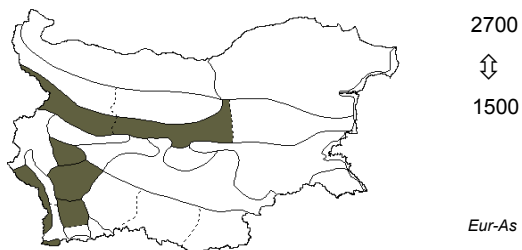
### *Platanus orientalis* L.



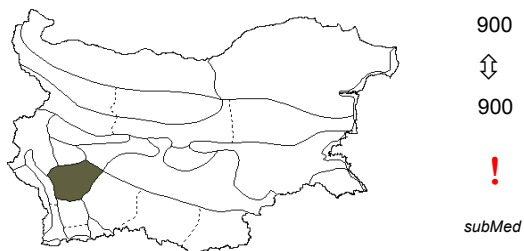
600  
⇕  
0

Med

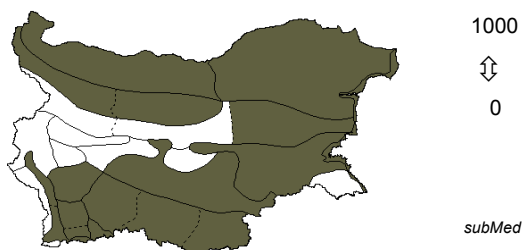
**Pleuropteropyrum undulatum**  
(A. Murray) A. & D. Löve



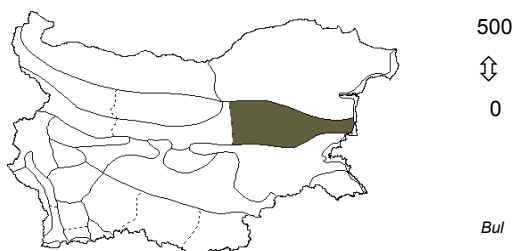
**Pleurospermum austriacum**  
(L.) Hoffm.



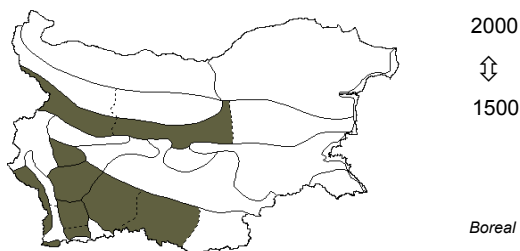
**Plumbago europaea**  
L.



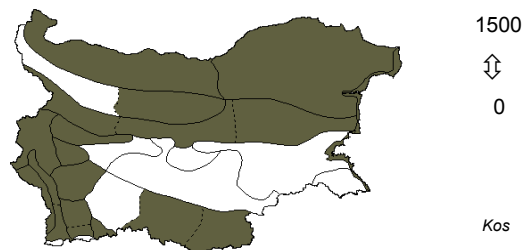
**Poa aitosenis**  
Kožuharov & Stoeva



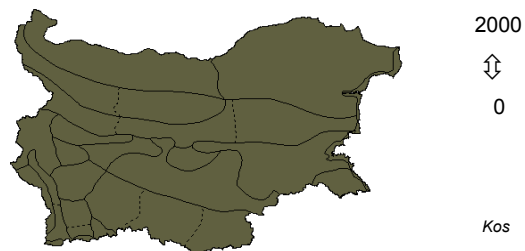
**Poa alpina**  
L.



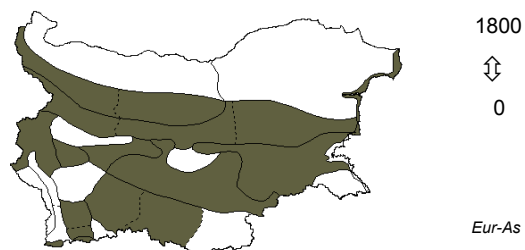
**Poa angustifolia**  
L.



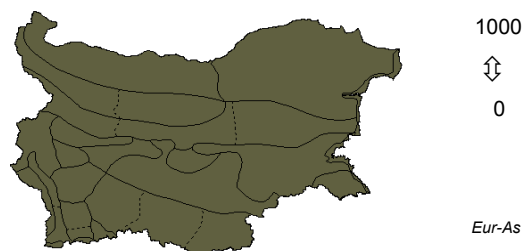
**Poa annua**  
L.



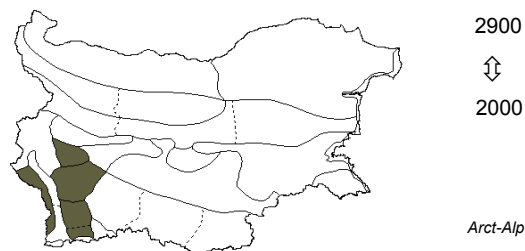
**Poa badensis**  
Haenke ex Willd.



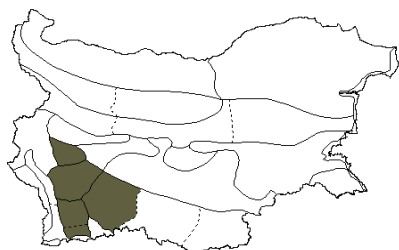
**Poa bulbosa**  
L.



**Poa cenisia**  
All.



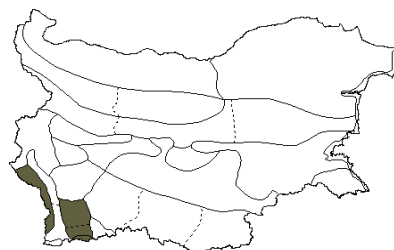
**Poa chaixii**  
Vill.



2400  
⇕  
1900

Alp-Carp-Bal

**Poa macedonica**  
(Acht.) Stoeva & Kozuharov



2300  
⇕  
1800

Bal

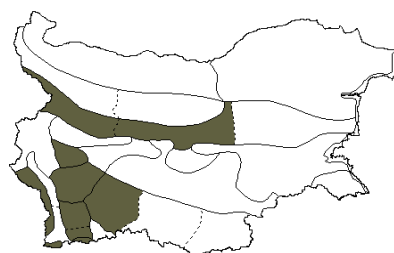
**Poa compressa**  
L.



1500  
⇕  
0

Eur-subMed

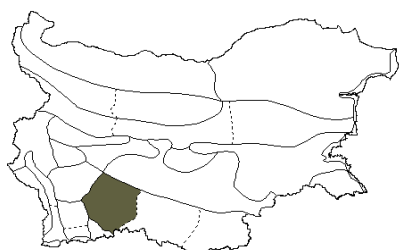
**Poa media**  
Schur



2800  
⇕  
1700

Carp-Bal

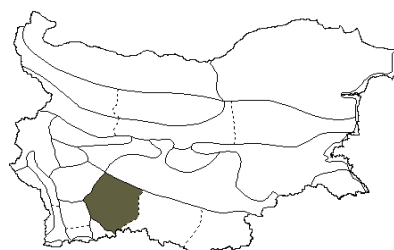
**Poa jordanovii**  
Kozuharov & Stoeva



1600  
⇕  
1600

Bul

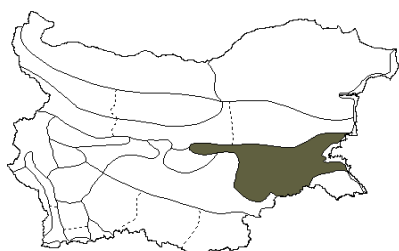
**Poa molinerii**  
Balb.



1600  
⇕  
1600

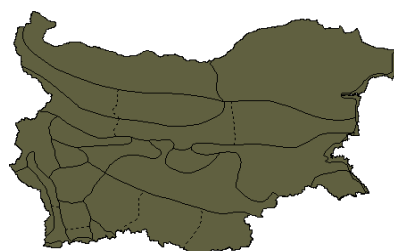
Boreal

**Poa jubata**  
A. Kern.



300  
⇕  
0

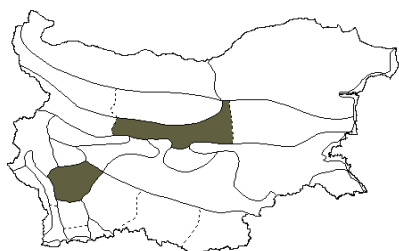
**Poa nemoralis**  
L.



2000  
⇕  
0

Boreal

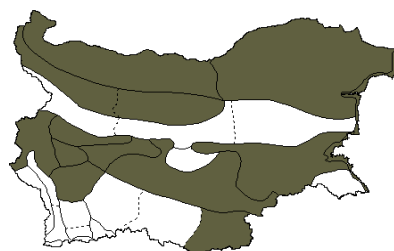
**Poa laxa**  
Haenke



2900  
⇕  
2000

Alp-Med

**Poa palustris**  
L.



1600  
⇕  
0

Boreal

**Poa perconcinna**  
Edmonds



⇕

**Poa sylvicola**  
Guss.



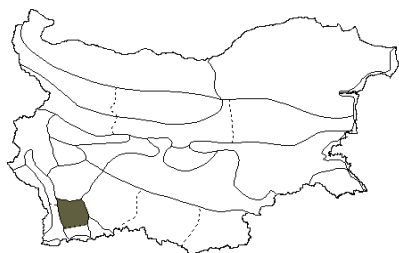
1500

⇕

0

Eur-As

**Poa pirinica**  
Stoj. & Acht.



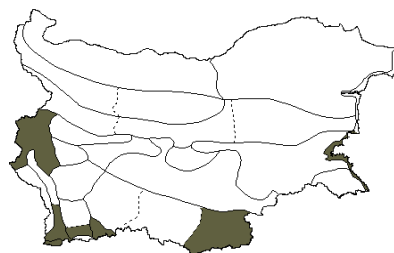
2900

⇕

2000

Bal

**Poa timoleontis**  
Heldr. ex Boiss.



500

⇕

0

CAs

**Poa pratensis**  
L.



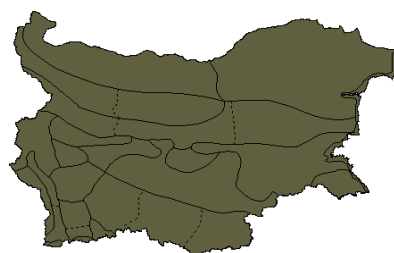
1500

⇕

0

Kos

**Poa trivialis**  
L.



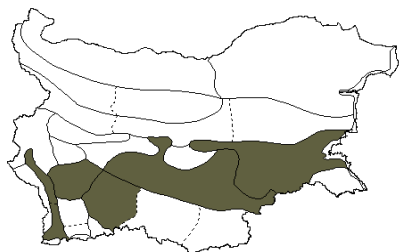
1000

⇕

0

Boreal

**Poa pseudoconcinna**  
Schur



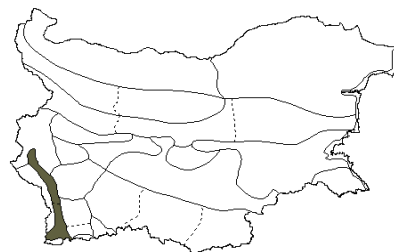
1600

⇕

0

Eur-As

**Polycarpon diphyllum**  
Cav.



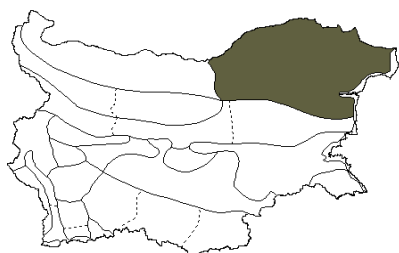
400

⇕

0

subMed

**Poa sterilis**  
M. Bieb.



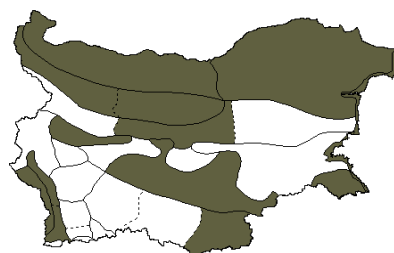
300

⇕

0

Pont

**Polycarpon tetraphyllum**  
(L.) L.



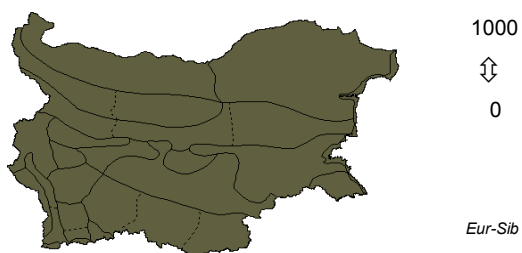
1000

⇕

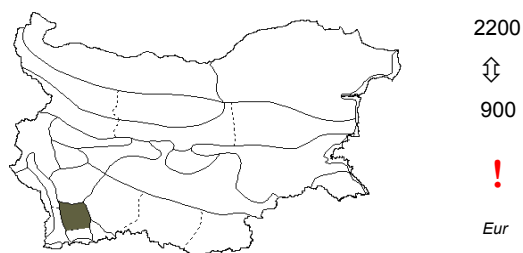
0

Eur-Med

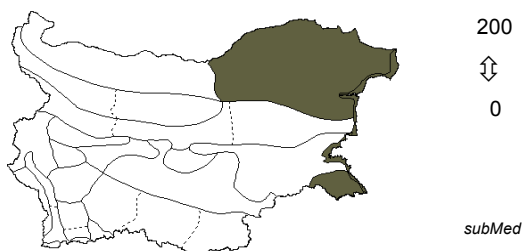
**Polycnemum arvense**  
L.



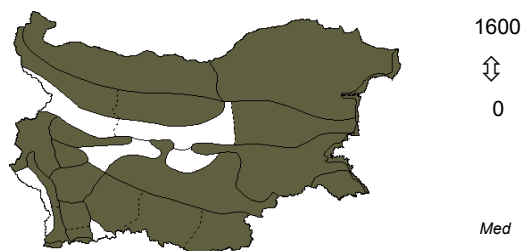
**Polygala amarella**  
Crantz



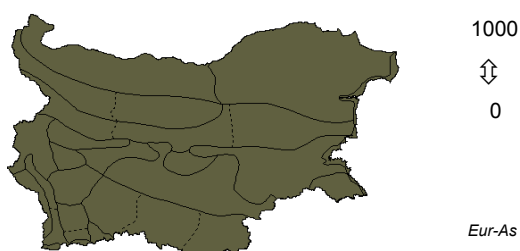
**Polycnemum heuffelii**  
Lang.



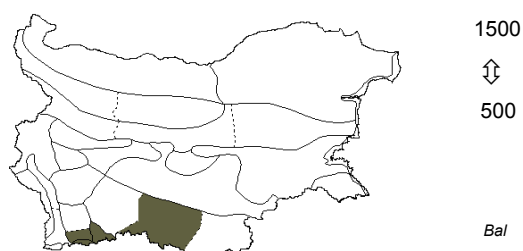
**Polygala anatolica**  
Boiss. & Heldr.



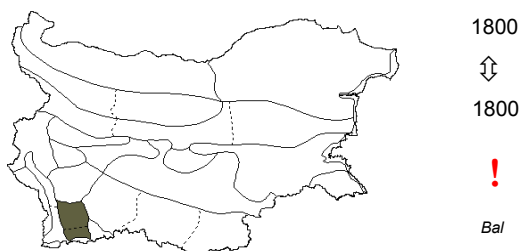
**Polycnemum majus**  
A. Braun



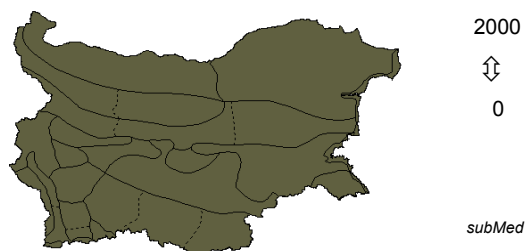
**Polygala carniolica**  
A. Kern.



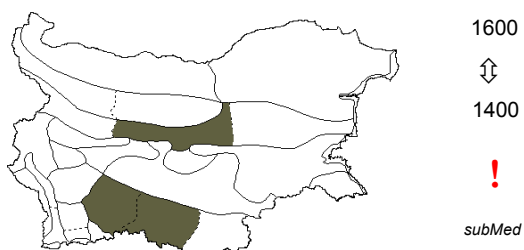
**Polygala acarnanica**  
(Chodat) Kozuharov & Petrova



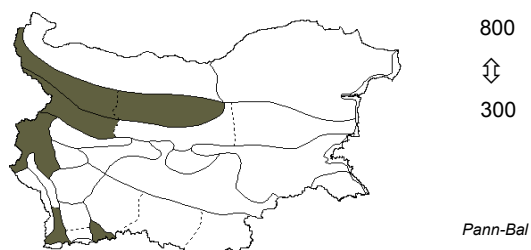
**Polygala comosa**  
Schkuhr



**Polygala alpestris**  
Rchb.



**Polygala hospita**  
Heuff.



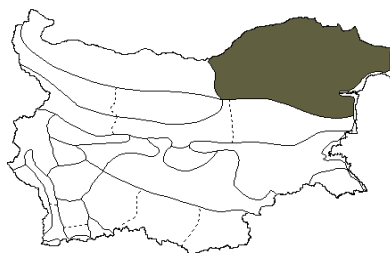
**Polygala major**  
Jacq.



2000  
⇕  
0

Eur-Sib

**Polygala sibirica**  
L.

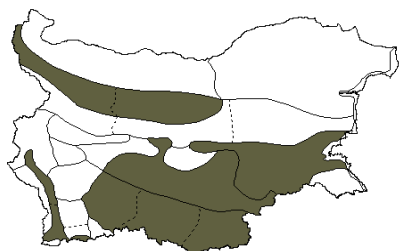


300  
⇕  
0



Pont-Sib

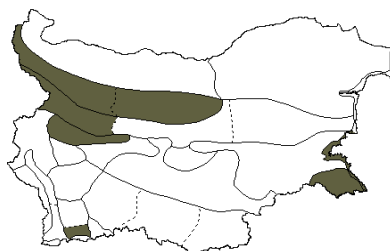
**Polygala mediterranea**  
(Chodat) Dalla Torre & Sarnth.



1700  
⇕  
0

subMed

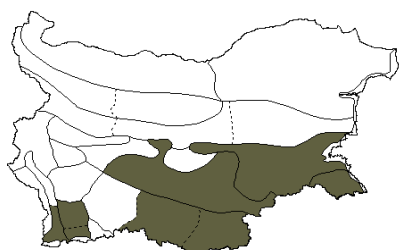
**Polygala supina**  
Schreb.



700  
⇕  
0

subMed

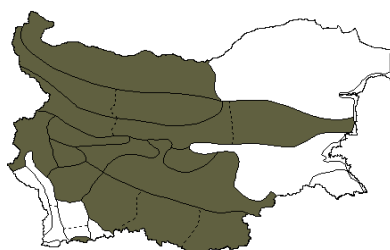
**Polygala monspeliaca**  
L.



700  
⇕  
0

Med

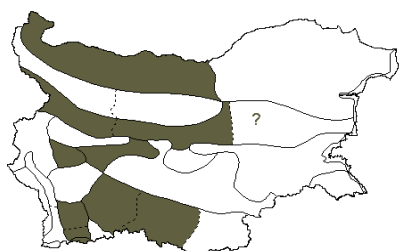
**Polygala vulgaris**  
L.



1700  
⇕  
0

Eur-Med

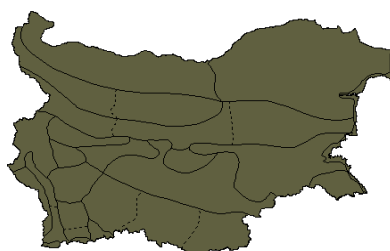
**Polygala oxyptera**  
Rchb.



1700  
⇕  
0

Eur

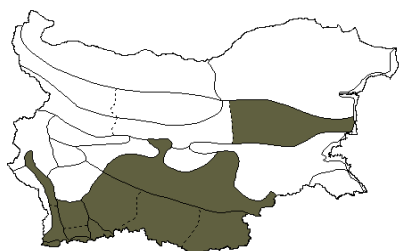
**Polygonatum latifolium**  
(Jacq.) Desf.



2000  
⇕  
0

Boreal

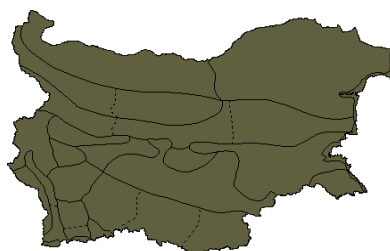
**Polygala rhodopea**  
(Velen.) Janch.



1600  
⇕  
500

Bal

**Polygonatum multiflorum**  
(L.) All.

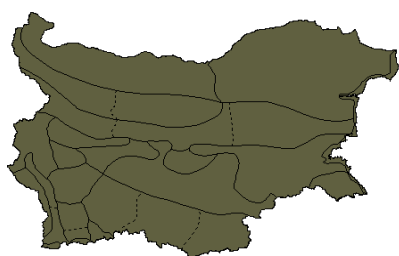


1000  
⇕  
0

Boreal



**Polygonatum odoratum**  
(Mill.) Druce



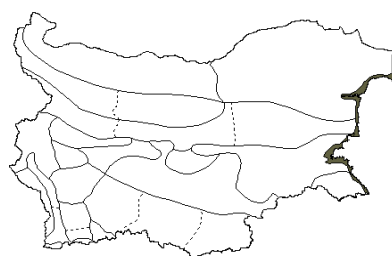
2000



1000

Eur-Sib

**Polygonum maritimum**  
L.



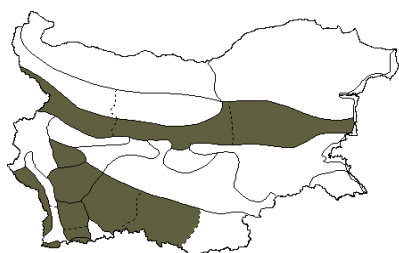
0



0

subBoreal

**Polygonatum verticillatum**  
(L.) All.



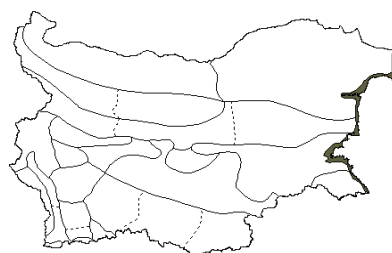
2000



1200

Eur-As

**Polygonum mesembrium**  
Chrtek



0



0

Pont

**Polygonum arenastrum**  
Boreau



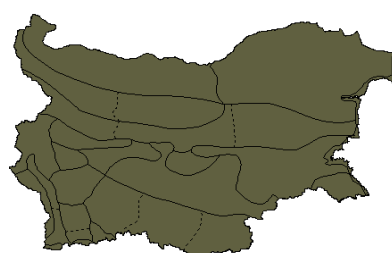
2300



0

Kos

**Polygonum patulum**  
M. Bieb.



800



0

Boreal

**Polygonum aviculare**  
L.



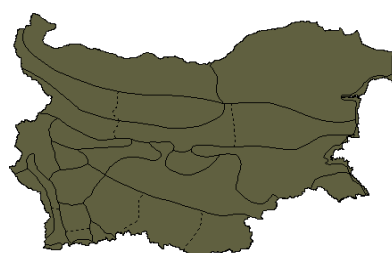
1200



0

Kos

**Polygonum pulchellum**  
Loisel.



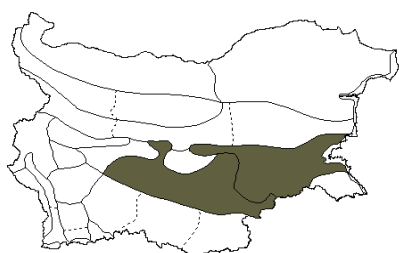
1000



0

subMed

**Polygonum cognatum**  
Meisn.



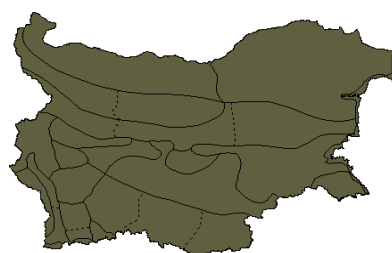
300



0

subMed

**Polygonum rurivagum**  
Jord. ex Boreau



1000



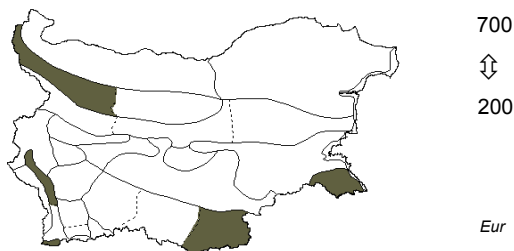
0

subBoreal

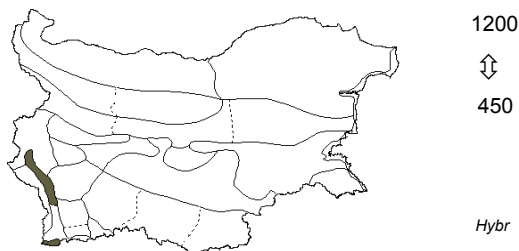
**Polypodium cambricum**  
L.



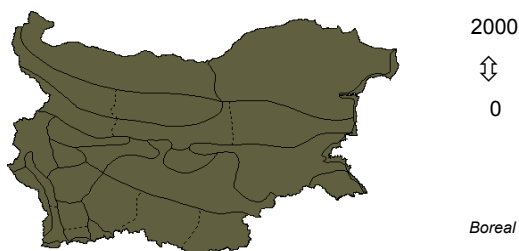
**Polypodium interjectum**  
Shivas



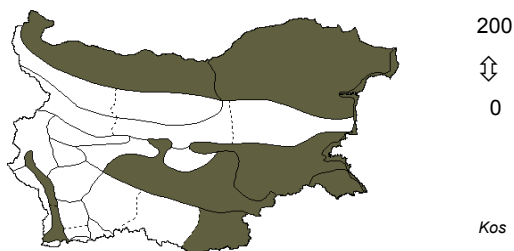
**Polypodium mantoniae**  
Rothm.



**Polypodium vulgare**  
L.



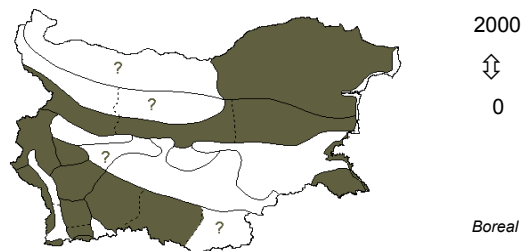
**Polypogon monspeliensis**  
(L.) Desf.



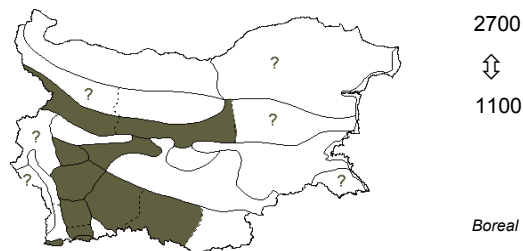
**Polypogon viridis**  
(Gouan) Breistr.



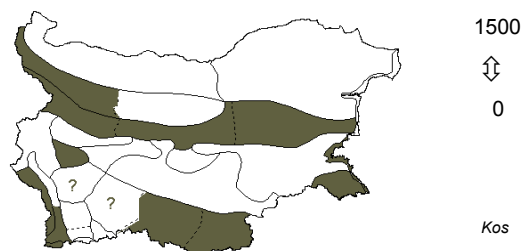
**Polystichum aculeatum**  
(L.) Roth



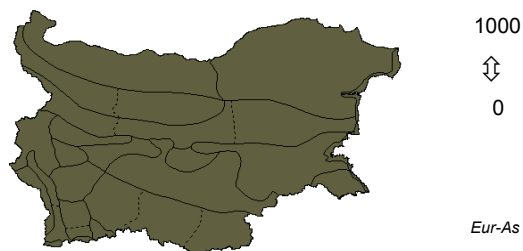
**Polystichum lonchitis**  
(L.) Roth



**Polystichum setiferum**  
(Forssk.) Moore

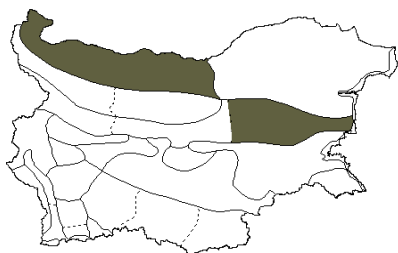


**Populus alba**  
L.



### Populus canadensis

Moench



1200

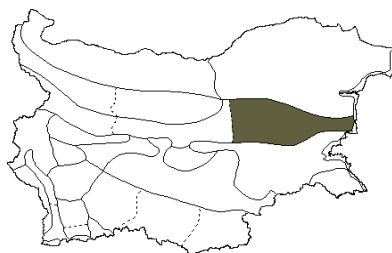


0

Adv (Hybr)

### Potamogeton acutifolius

Link



800

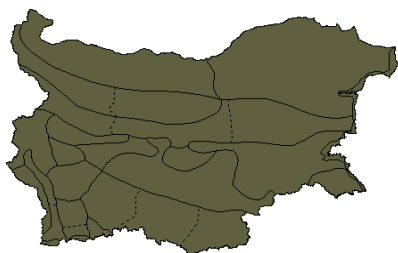


200

Kos

### Populus canescens

(Aiton) Sm.



1000

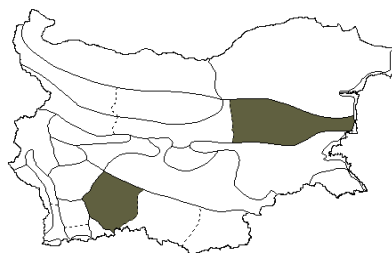


0

Eur-Med

### Potamogeton alpinus

Balb.



1600



0

Boreal

### Populus nigra

L.



700

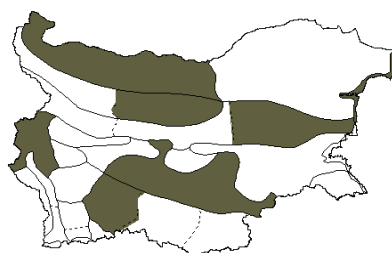


0

Eur-As

### Potamogeton berchtoldii

Fieb.



1000



0

Eur-As

### Populus tremula

L.



1900



0

subBoreal

### Potamogeton crispus

L.



1000



0

Kos

### Portulaca oleracea

L.



1000

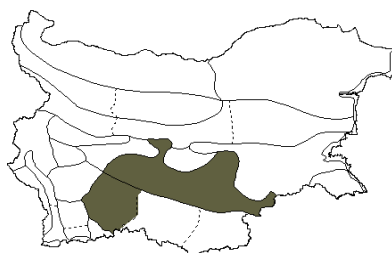


0

Adv

### Potamogeton friesii

Rupr.



200

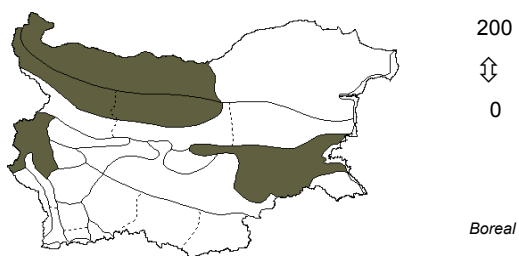


0

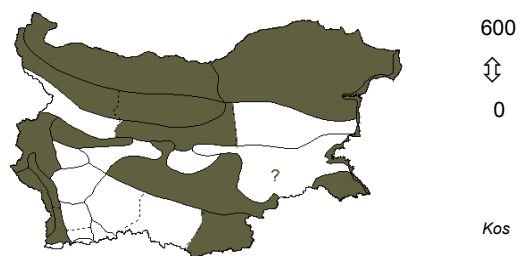


Kos

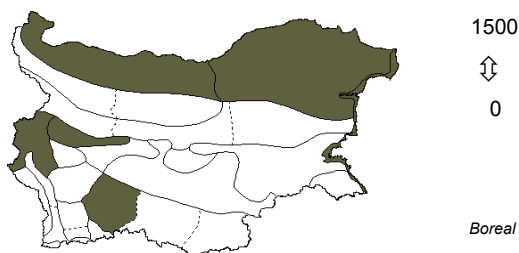
**Potamogeton gramineus**  
L.



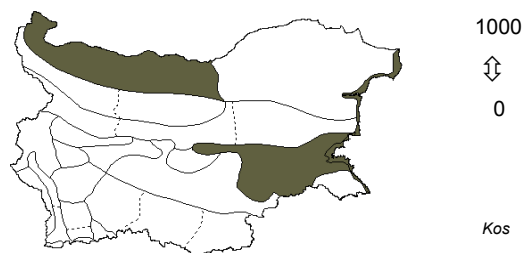
**Potamogeton pectinatus**  
L.



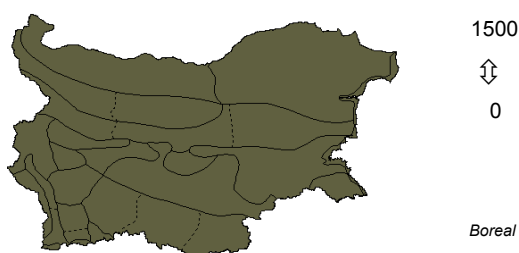
**Potamogeton lucens**  
L.



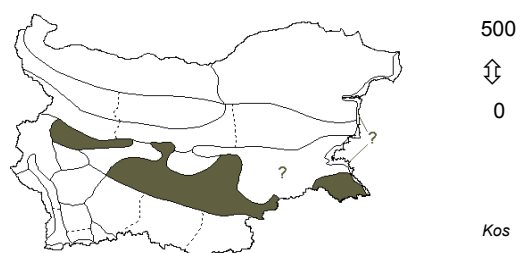
**Potamogeton perfoliatus**  
L.



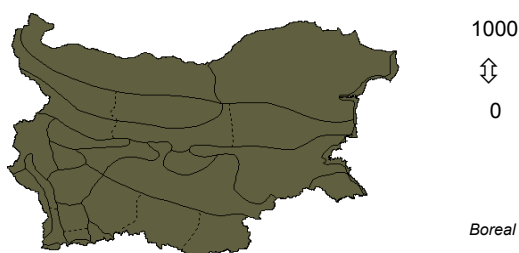
**Potamogeton natans**  
L.



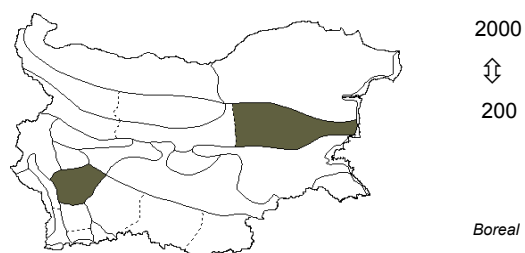
**Potamogeton polygonifolius**  
Pourret



**Potamogeton nodosus**  
Poir.



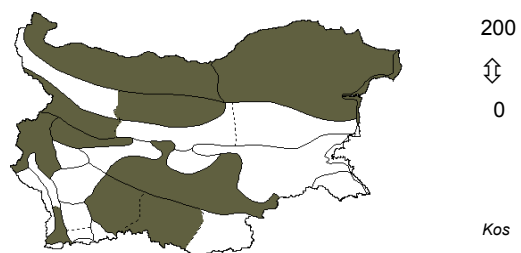
**Potamogeton praelongus**  
Wulfen



**Potamogeton obtusifolius**  
Mertens & Koch

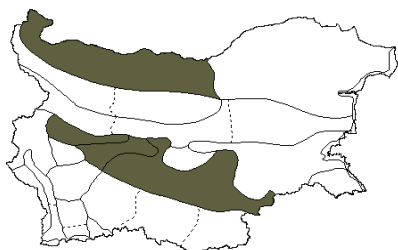


**Potamogeton pusillus**  
L.



### Potamogeton trichoides

Cham. & Schlecht.



200



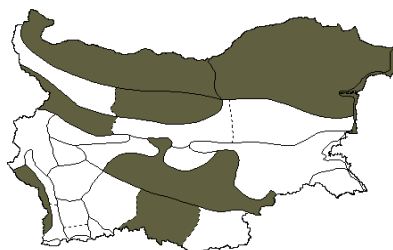
0



Eur-As

### Potentilla astracanic

Jacq.



1000

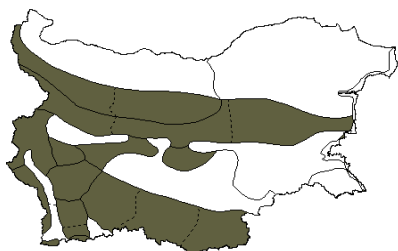


100

Pont-Med

### Potentilla alba

L.



2000

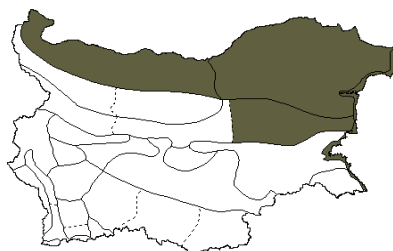


700

Pann-Pont

### Potentilla bornmuelleri

Borbás



1000

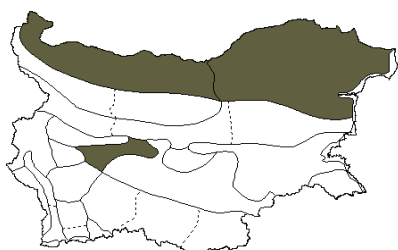


50

Pont-Bal

### Potentilla anserina

L.



300

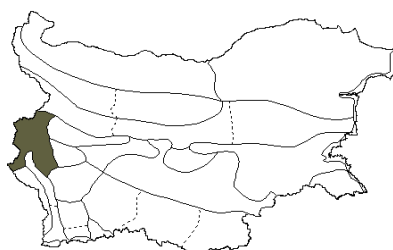


100

Kos

### Potentilla chrysantha

Trevir.



1100



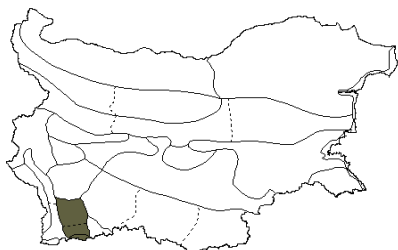
1000



Pont-Sib

### Potentilla apennina

Ten.



2800

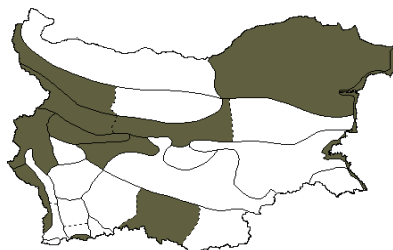


2000

Ap-Bal

### Potentilla cinerea

Chaix ex Vill.



2200

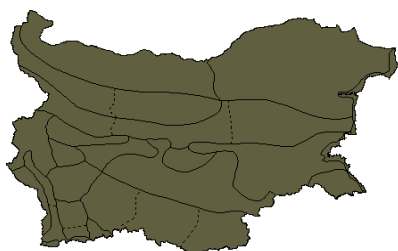


0

Eur

### Potentilla argentea

L.



1700

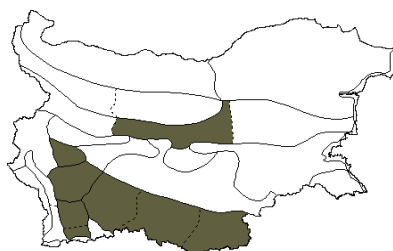


0

SPont

### Potentilla crantzii

(Crantz) Beck ex Fritsch



2700

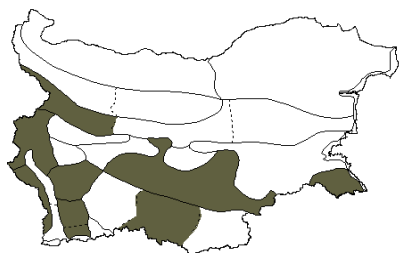


1800

Arct-Alp

### Potentilla detommasii

Ten.



2000

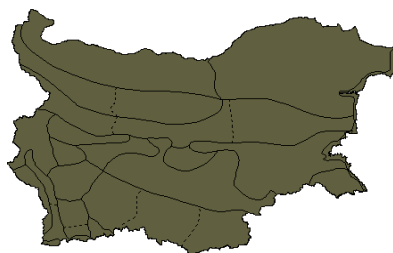


400

subMed

### Potentilla inclinata

Vill.



1000

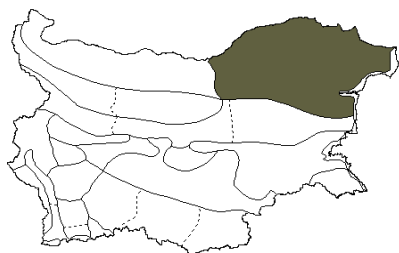


0

Eur-As

### Potentilla emili-popii

Nyár.



300



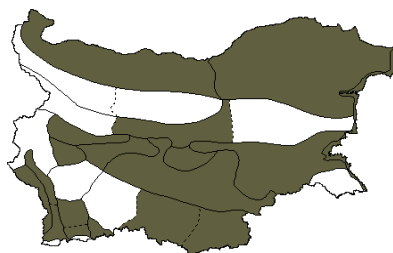
150



Bal

### Potentilla laciniosa

Waldst. & Kit. ex Nestl.



1500



0

subMed

### Potentilla erecta

(L.) Raeusch.



2800

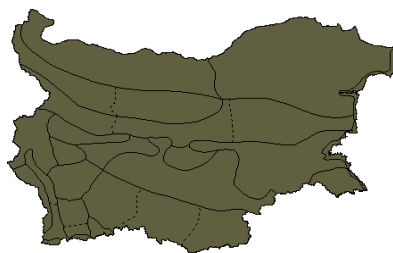


0

subBoreal

### Potentilla micrantha

Ramond ex DC.



2000

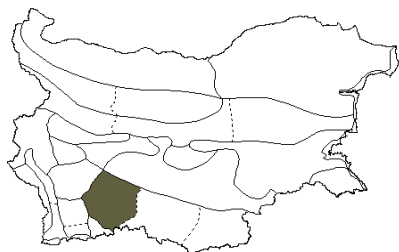


300

Eur-subMed

### Potentilla fruticosa

L.



1600



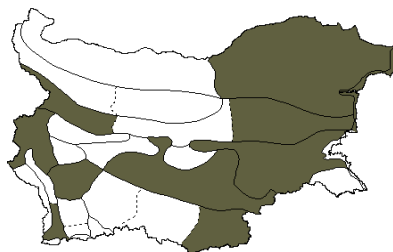
1400



Boreal

### Potentilla mollicrinis

(Borbás) Stankov



1000

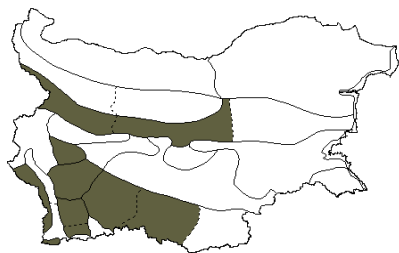


0

Pont-Med

### Potentilla haynaldiana

Janka



2800

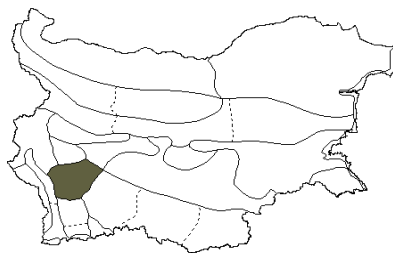


1400

Carp-Bal

### Potentilla montenegrina

Pant.



1700



1500



Bal

**Potentilla neglecta**  
Baumg.



1900  
⇕  
0

subBoreal

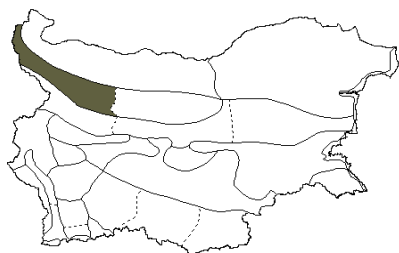
**Potentilla pedata**  
Willd.



1200  
⇕  
0

Med

**Potentilla nicici**  
Adamović

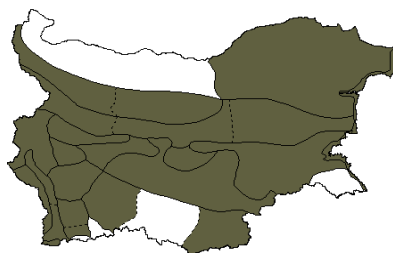


700  
⇕  
600

!

Bal

**Potentilla pilosa**  
Willd.



1800  
⇕  
0

Eur

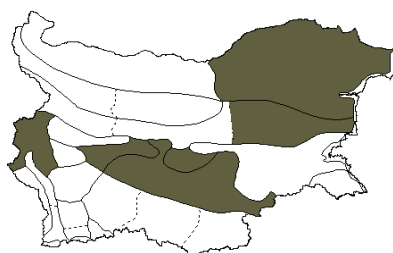
**Potentilla obscura**  
Willd.



1700  
⇕  
0

Eur

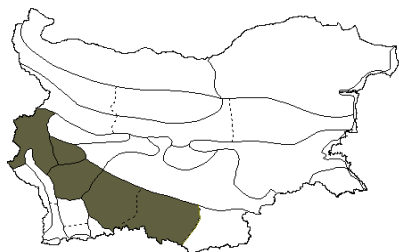
**Potentilla pindicola**  
(Nyman) Hausskn.



600  
⇕  
150

Pont-Med

**Potentilla palustris**  
(L.) Scop.

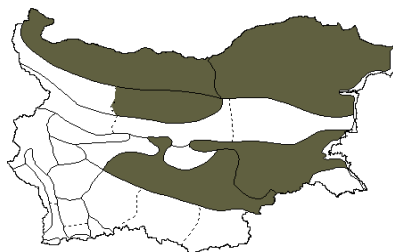


1600  
⇕  
1400

!

Boreal

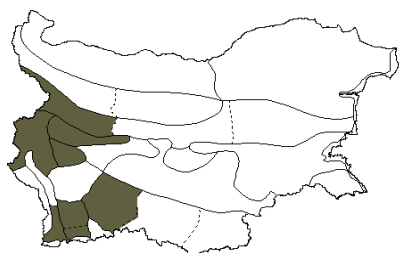
**Potentilla pirotensis**  
(Borbás) Markova



500  
⇕  
150

subBal

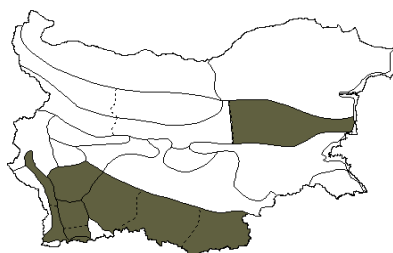
**Potentilla patula**  
Waldst. & Kit.



1000  
⇕  
200

Eur

**Potentilla regis-borisii**  
Stoj.



2000  
⇕  
300

Bal

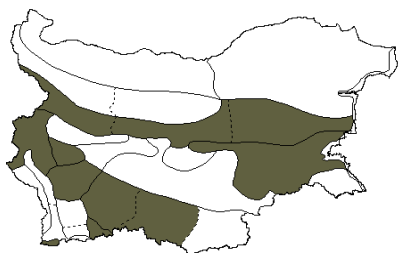
**Potentilla reptans**  
L.



1800  
⇕  
0

Kos

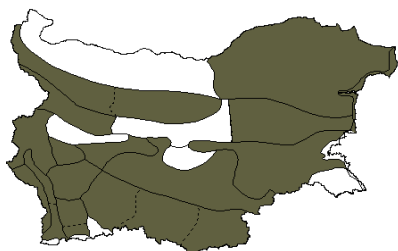
**Potentilla rupestris**  
L.



2000  
⇕  
500

Boreal

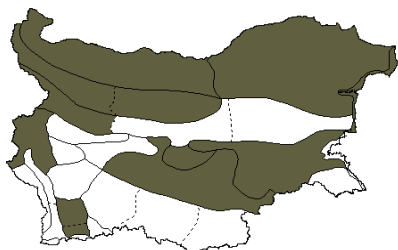
**Potentilla sulphurea**  
Lam.



1800  
⇕  
0

subMed

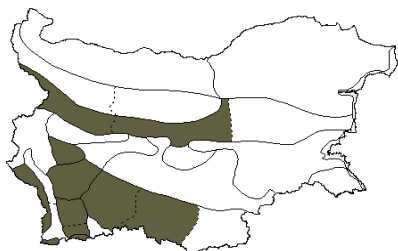
**Potentilla supina**  
L.



1000  
⇕  
150

subBoreal

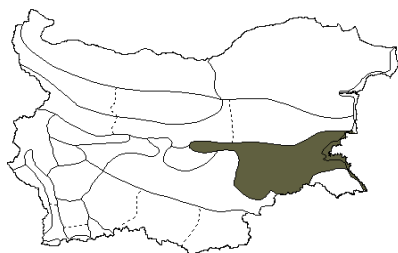
**Potentilla ternata**  
C. Koch



2600  
⇕  
1400

Carp-Bal

**Prangos ferulacea**  
(L.) Lindl.

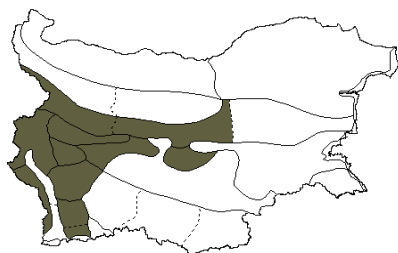


300  
⇕  
0

!

Med-OT

**Prenanthes purpurea**  
L.



2300  
⇕  
1000

Eur-Med

**Primula acaulis**  
(L.) L.

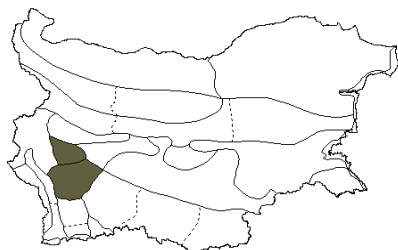


900  
⇕  
0

!

Eur

**Primula deorum**  
Velen.

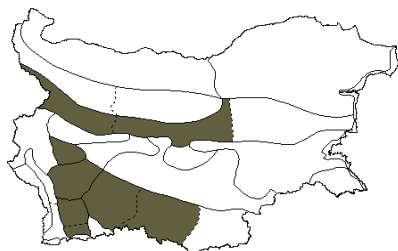


2800  
⇕  
1900

!

Bul

**Primula elatior**  
(L.) Hill

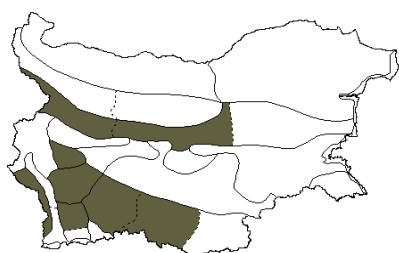


2800  
⇕  
2200

Eur



**Primula farinosa**  
L.



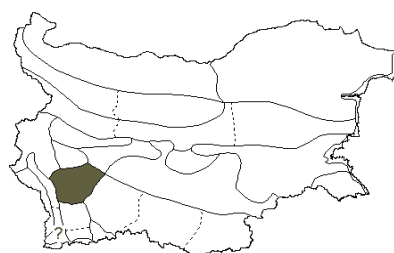
2600



1600

Eur

**Pritzelago alpina**  
(L.) Kuntze



2500

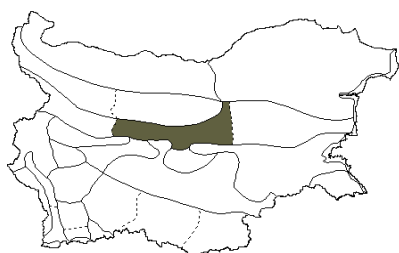


200



Alp-Bal

**Primula frondosa**  
Janka



2000

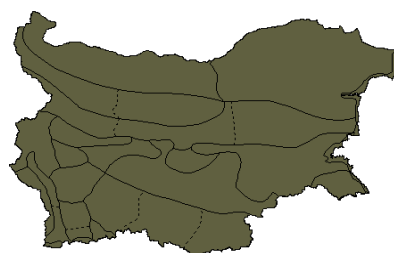


900



Bul

**Prunella grandiflora**  
(L.) Scholler



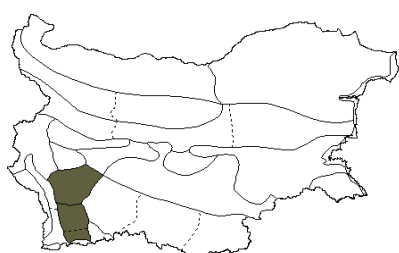
2000



0

subMed

**Primula halleri**  
J. F. Gmel.



2800



2250



Alp-Carp-Bal

**Prunella laciniata**  
(L.) L.



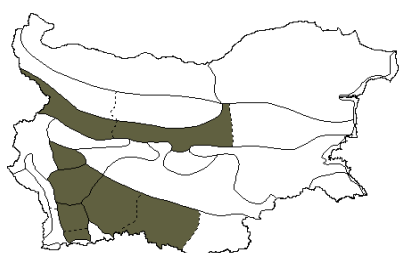
1000



0

Eur

**Primula minima**  
L.



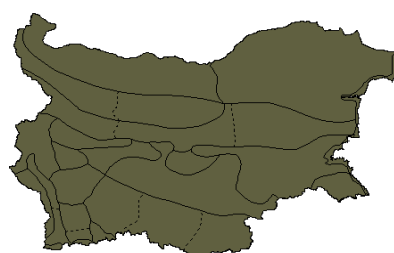
2900



2000

Alp-Carp-Bal

**Prunella vulgaris**  
L.



2000



0

Kos

**Primula veris**  
L.



2500



0

Eur-Med

**Prunus avium**  
L.



2000



0

subMed

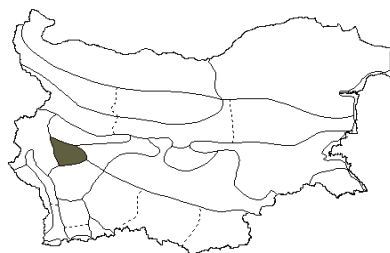
**Prunus cerasifera**  
Ehrh.



1500  
⇕  
0

Eur-As

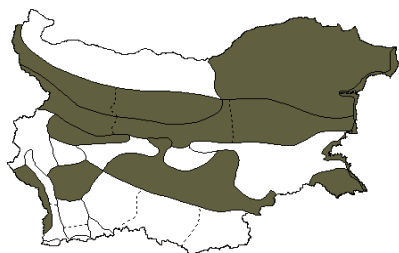
**Prunus serotina**  
Ehrh.



1000  
⇕  
500

Adv (NAm)

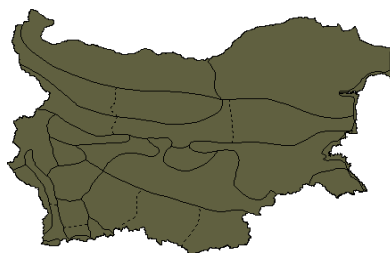
**Prunus domestica**  
L.



1400  
⇕  
0

Hybr

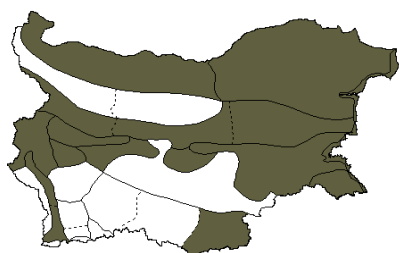
**Prunus spinosa**  
L.



1200  
⇕  
0

SPont

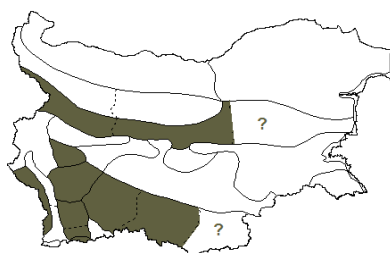
**Prunus fruticosa**  
Pall.



1000  
⇕  
0

Eur-Sib

**Pseudorchis albida**  
(L.) A. & D. Löve



2700  
⇕  
1200

Arct-Alp

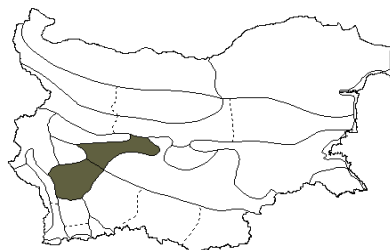
**Prunus mahaleb**  
L.



800  
⇕  
0

Eur-Med

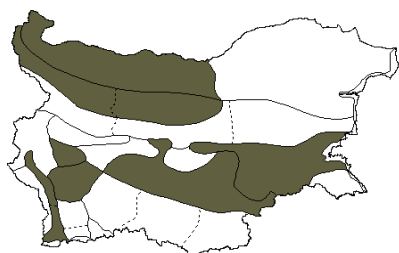
**Pseudotsuga menziesii**  
(Mirb.) Franco



0  
⇕  
0

Adv (NAm)

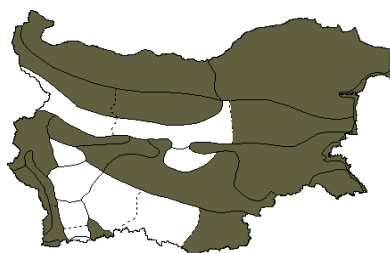
**Prunus padus**  
L.



1000  
⇕  
0

Eur-As

**Psilurus incurvus**  
(Gouan) Schinz & Thell.

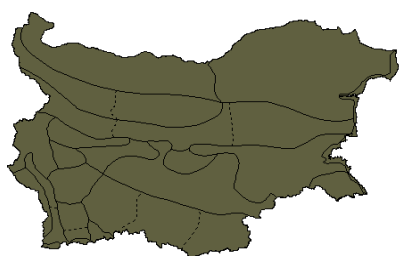


500  
⇕  
0

subMed

### **Pteridium aquilinum**

(L.) Kuhn



1800

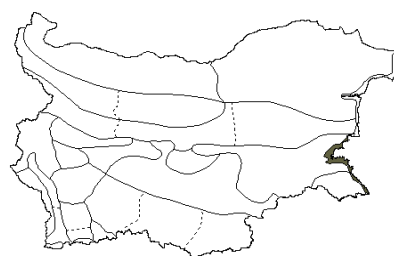


0

Kos

### **Puccinellia festuciformis**

(Host) Parl.



50

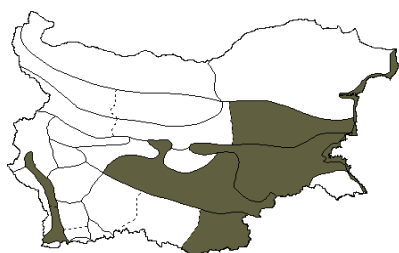


0

Sib

### **Pterocephalus papposus**

(L.) Coult.



1000

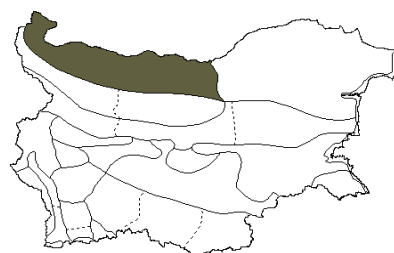


0

Med

### **Puccinellia hauptiana**

(Trin.) Krecz.



200



0

### **Ptilostemon afer**

(Jacq.) Greuter



1500

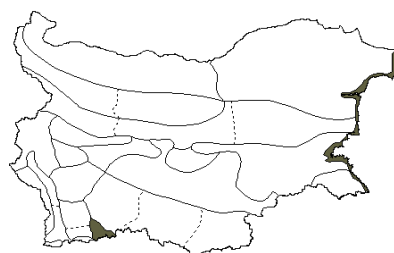


0

Med

### **Puccinellia limosa**

(Schur) Holmb.



200

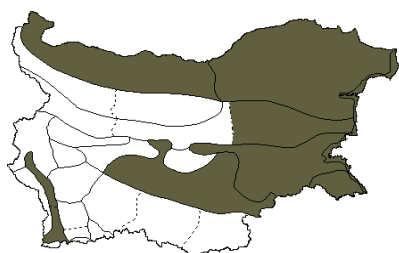


0

Pont-Pann

### **Puccinellia convoluta**

(Hornem.) P.Fourr.



500

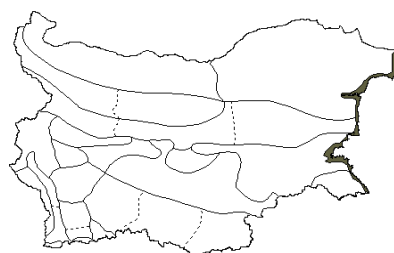


0

subMed-Sib

### **Puccinellia salinaria**

(Simonk.) Holmb.



0

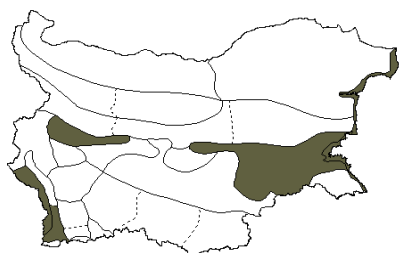


0

Med-Sib

### **Puccinellia distans**

(L.) Parl.



200



0

Boreal

### **Pulicaria dysenterica**

(L.) Bernh.



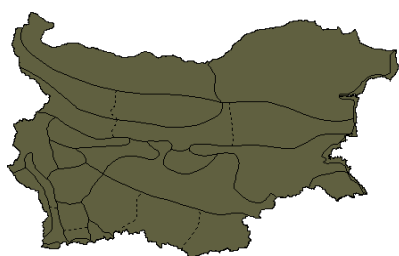
1000



0

Eur-Med

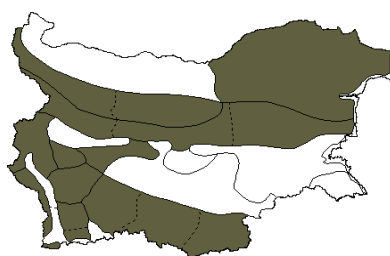
**Pulicaria vulgaris**  
Gaertn.



1000  
⇕  
0

Eur-As

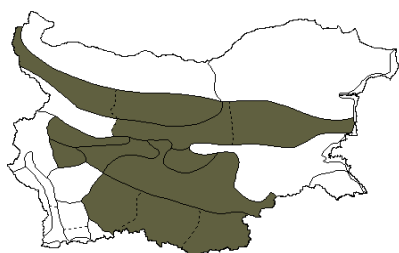
**Pulmonaria rubra**  
Schott



2900  
⇕  
600

Carp-Bal

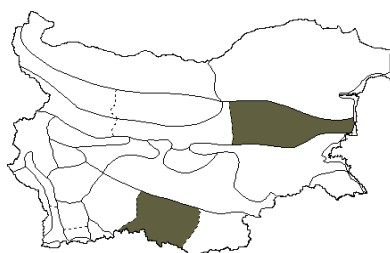
**Pulmonaria angustifolia**  
L.



2900  
⇕  
300

subMed

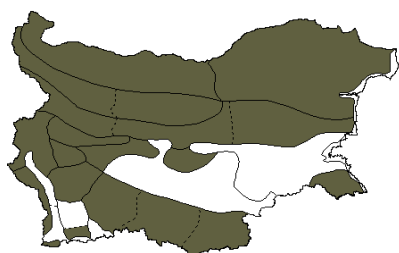
**Pulsatilla halleri**  
(All.) Willd.



1400  
⇕  
300

! Alp-Carp-Bal

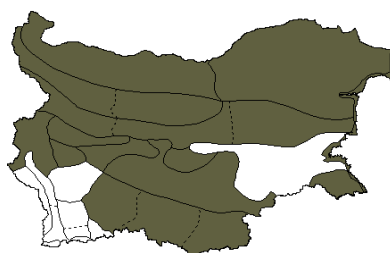
**Pulmonaria mollis**  
Wulfen ex Hornem.



2900  
⇕  
300

Eur

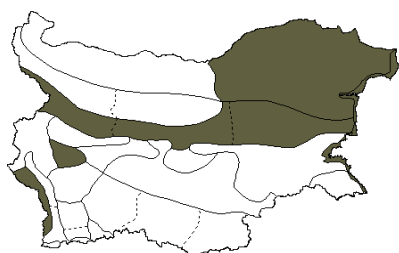
**Pulsatilla montana**  
(Hoppe) Rchb.



1400  
⇕  
0

Eur

**Pulmonaria obscura**  
Dumort.



1000  
⇕  
0

subMed

**Pulsatilla pratensis**  
(L.) Mill.



800  
⇕  
0

! Eur

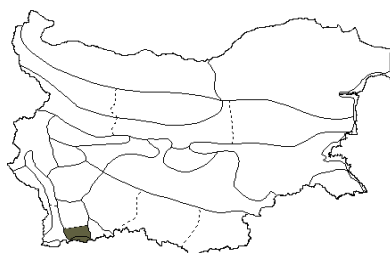
**Pulmonaria officinalis**  
L.



2900  
⇕  
500

Eur

**Pulsatilla slaviankae**  
(Zimm.) Jordanov & Kožuharov

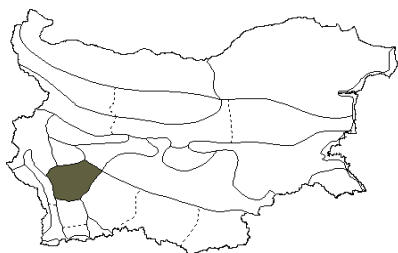


1500  
⇕  
1000

! Bal

### *Pulsatilla vernalis*

(L.) Mill.



2200



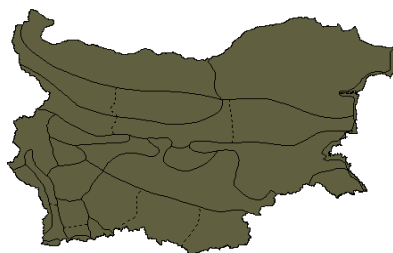
1700



Eur

### *Pycreus longus*

(L.) Hayek



1000



0

Kos

### *Pycreus flavescens*

(L.) Rchb.



1000

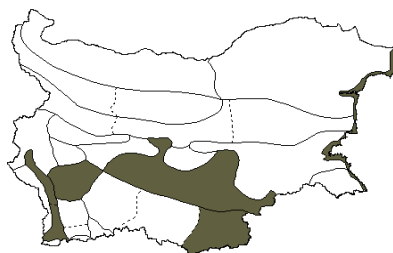


0

Kos

### *Pycreus rotundus*

(L.) Hayek



1300

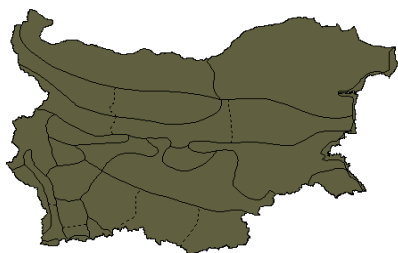


0

Kos

### *Pycreus glaber*

(L.) Hayek



1000

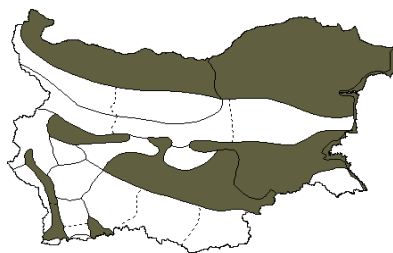


0

Eur-As

### *Pycreus serotinus*

(Rottb.) Hayek



500

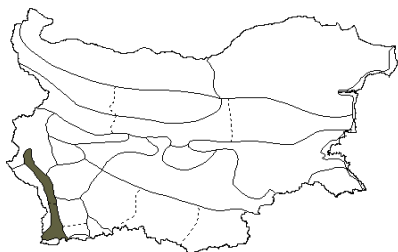


0

Eur-As

### *Pycreus globosus*

(All.) Rchb.



150

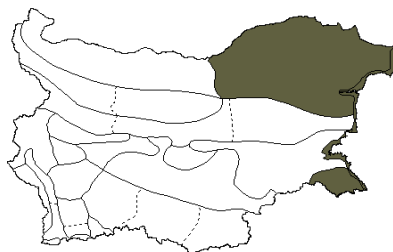


150

Kos

### *Pyracantha coccinea*

M. Roem.



500

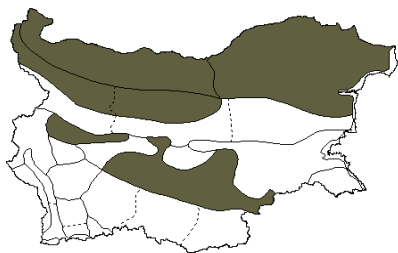


50

Pont-Med

### *Pycreus glomeratus*

(L.) Hayek



200

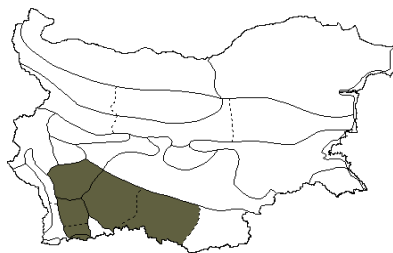


0

Eur-As

### *Pyrola chlorantha*

Sw.



2100

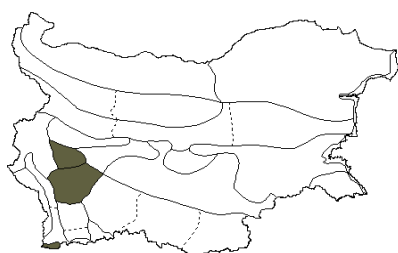


1300

Boreal

### *Pyrola media*

Sw.



1900

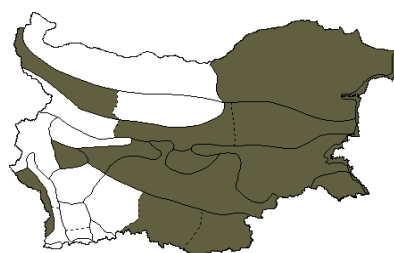


1200

Eur-Sib

### *Pyrus elaeagrifolia*

Pall.



1500

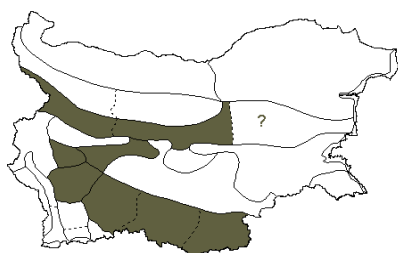


0

Med

### *Pyrola minor*

L.



2900

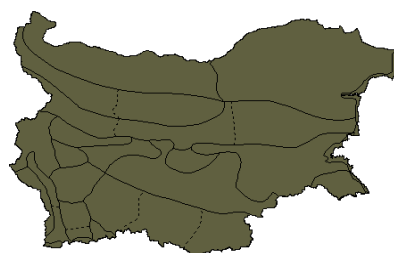


1000

Boreal

### *Pyrus nivalis*

Jacq.



1200

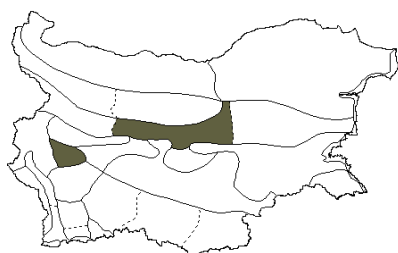


1000

Eur-As

### *Pyrola rotundifolia*

L.



2000



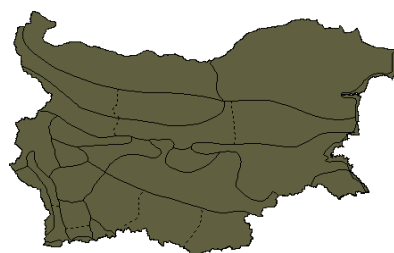
1750



Boreal

### *Pyrus pyraaster*

Burzd.



1900

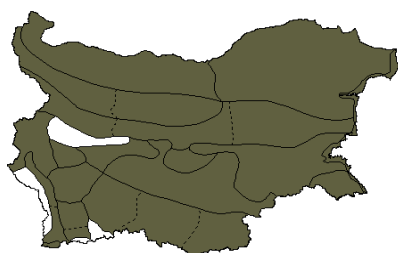


0

subMed

### *Pyrus amygdaliformis*

Vill.



1200

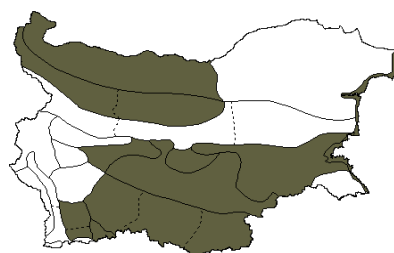


0

Med

### *Quercus brachyphylla*

Kotschy



500

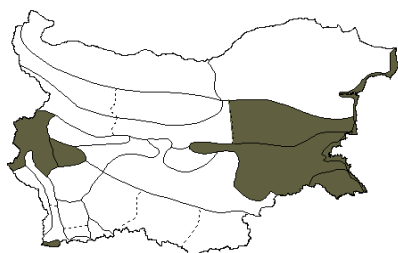


0

Med

### *Pyrus bulgarica*

Khutath. & Sachok.



1000



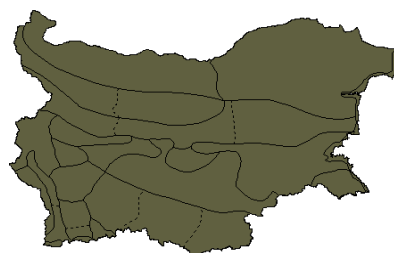
0



subBal

### *Quercus cerris*

L.



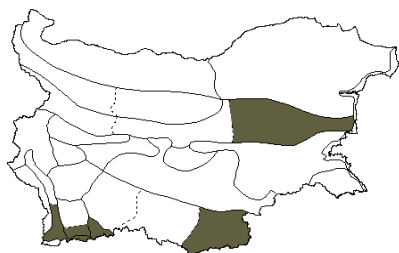
1200



0

Eur-subMed

**Quercus coccifera**  
L.



350

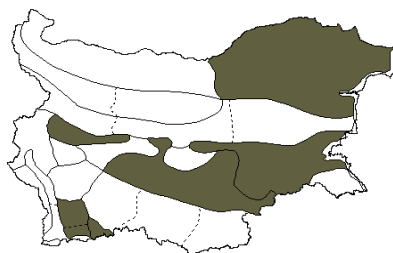


0



Med

**Quercus longipes**  
Steven



1000



0

Pont-Eux

**Quercus dalechampii**  
Ten.



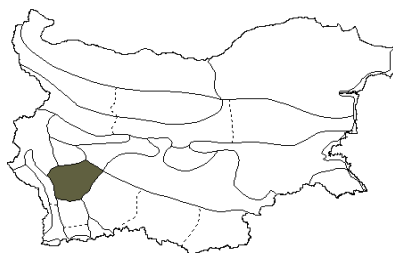
1500



0

subMed

**Quercus mestensis**  
Bondev & Gančev



1000

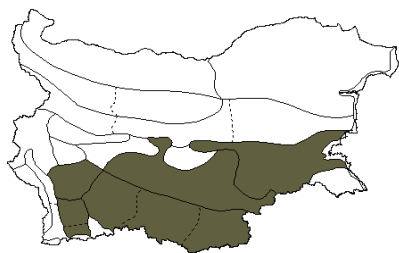


1000



Bul

**Quercus erucifolia**  
Steven



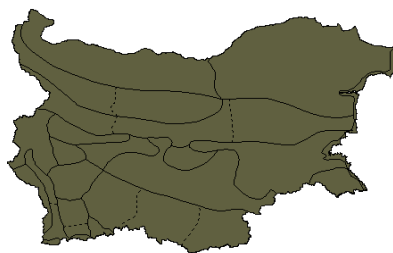
900



0

Pont-Med

**Quercus pedunculiflora**  
C. Koch



800



0

Pont-Med

**Quercus frainetto**  
Ten.



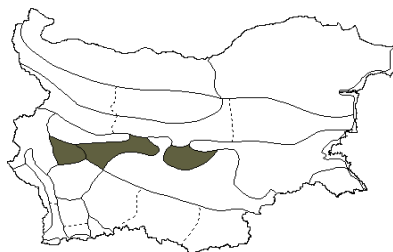
1000



0

Eur

**Quercus petraea**  
(Mattuschka) Liebl.



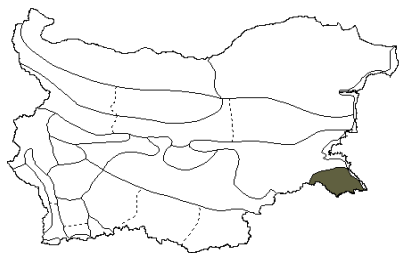
1300



0

Eur

**Quercus hartwissiana**  
Steven



500



0

Pont-Eux

**Quercus polycarpa**  
Schur



1200



0

SEux

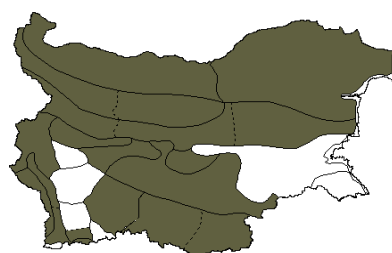
**Quercus pubescens**  
Willd.



1500  
⇕  
0

Eur-subMed

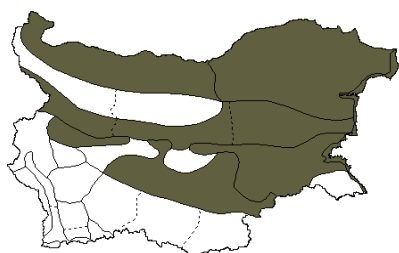
**Querica hispanica**  
L.



1000  
⇕  
0

subMed

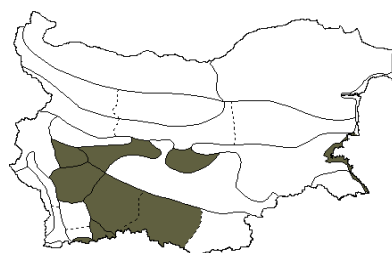
**Quercus robur**  
L.



500  
⇕  
0

subMed

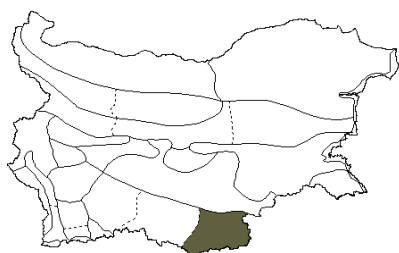
**Radiola linoides**  
Roth



1200  
⇕  
0

Eur-As

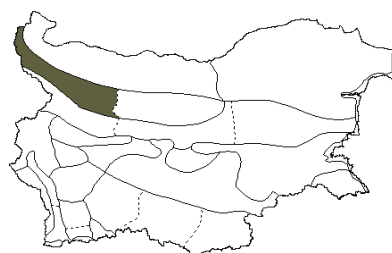
**Quercus thracica**  
Stef. & Nedjalkov



300  
⇕  
300

!  
Bul (Extinct)

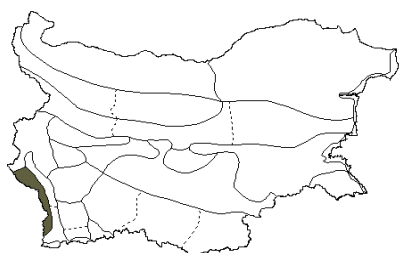
**Ramonda serbica**  
Pančić



1000  
⇕  
600

!  
Bal

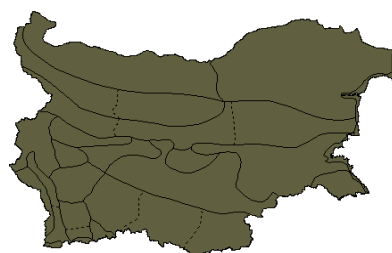
**Quercus trojana**  
Webb



1000  
⇕  
900

!  
Ap-Bal-Anat

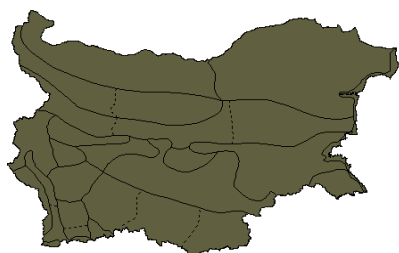
**Ranunculus acris**  
L.



2000  
⇕  
0

Kos

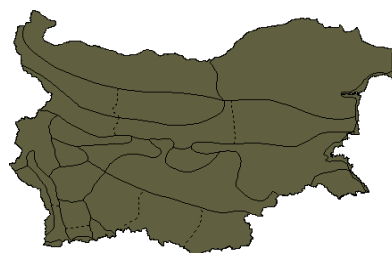
**Quercus virgiliana**  
(Ten.) Ten.



1000  
⇕  
0

subMed

**Ranunculus aquatilis**  
L.



2300  
⇕  
0

Kos



### Ranunculus arvensis

L.



1000

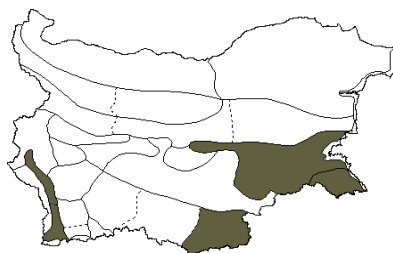


0

Eur-Med

### Ranunculus chius

DC.



700



0

Pont-Med

### Ranunculus auricomus

L.



1000

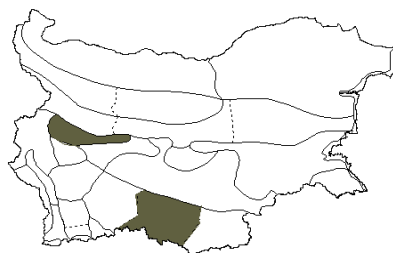


0

Eur-Med

### Ranunculus circinatus

Sibth.



950

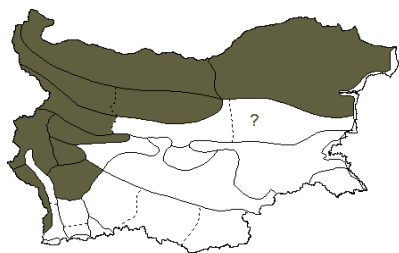


500

Eur-As

### Ranunculus bulbosus

L.



2000

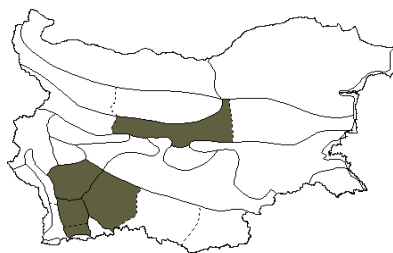


1000

Eur

### Ranunculus crenatus

Waldst. & Kit.



2600

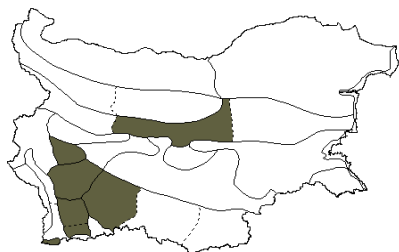


1600

Alp-Carp-Bal

### Ranunculus carinthiacus

Hoppe



2500



1500

Eur

### Ranunculus fallax

(Wimm. & Grab.) A. Kern.



1500

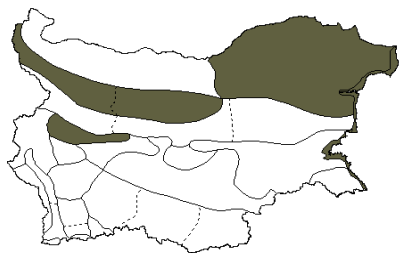


0

Eur

### Ranunculus cassubicus

L.



800

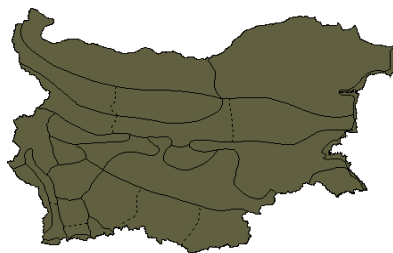


0

Eur

### Ranunculus ficaria

L.



2000



0

Eur-Sib

### *Ranunculus flammula*

L.



1700

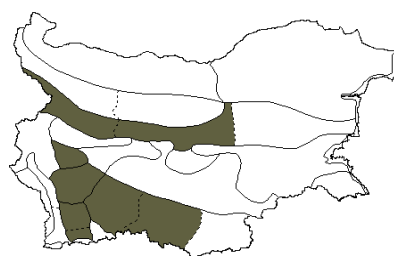


500

Eur-Med

### *Ranunculus incomparabilis*

Janka



2300

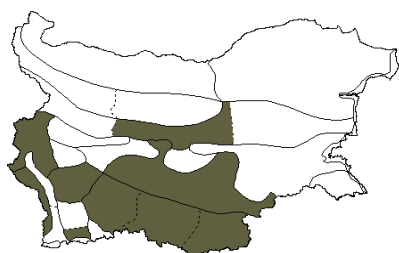


1300

Bal

### *Ranunculus fontanus*

C. Presl



2000



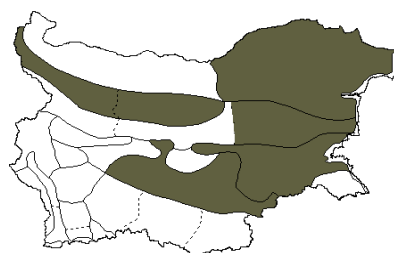
0



Med

### *Ranunculus lanuginosus*

L.



1500

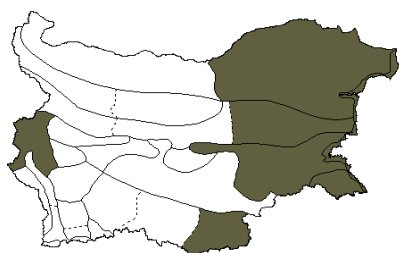


0

Eur

### *Ranunculus gracilis*

E. D. Clarke



800

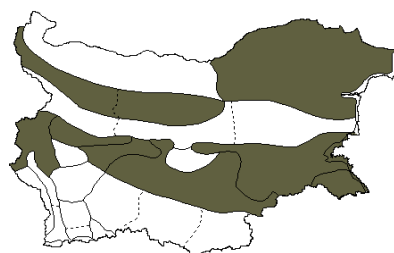


0

Med

### *Ranunculus lateriflorus*

DC.



800

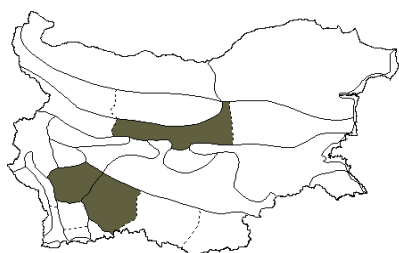


0

Med-CAs

### *Ranunculus hayekii*

Dörfl.



1700

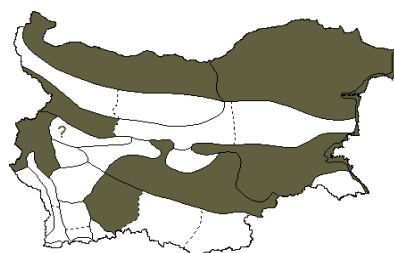


1400

Bal

### *Ranunculus lingua*

L.



1500



0

Eur-As

### *Ranunculus illyricus*

L.



1500

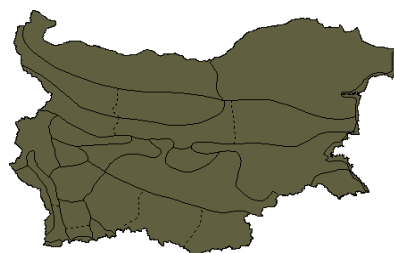


0

Eur-subMed

### *Ranunculus millefoliatus*

Vahl



800



0

subMed

# **Ranunculus montanus**

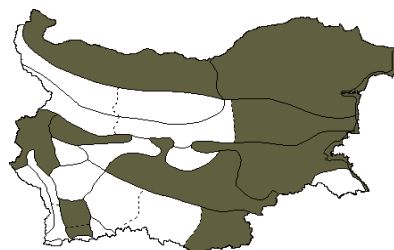
Willd.



Alp-Carp

# **Ranunculus oxyspermus**

M. Bieb.



1000

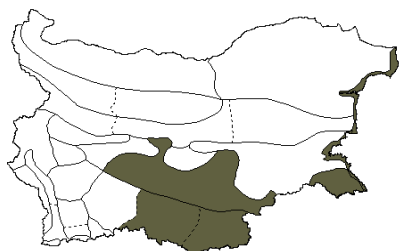


0

Med-CAs

# **Ranunculus muricatus**

L.



800

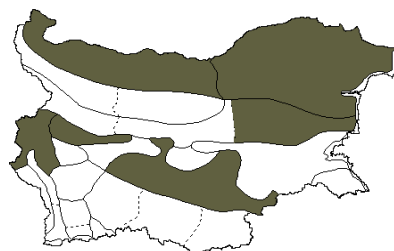


0

Med

# **Ranunculus pedatus**

Waldst. & Kit.



600

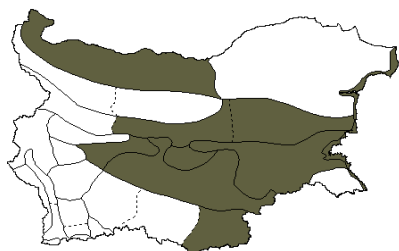


0

Eur-As

# **Ranunculus neapolitanus**

Ten.



1000

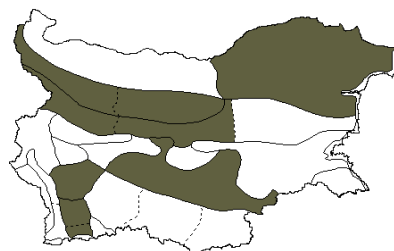


0

Med

# **Ranunculus peltatus**

Schrank



2300

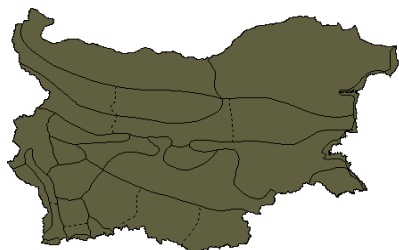


0

Kos

# **Ranunculus nemorosus**

DC.



2000

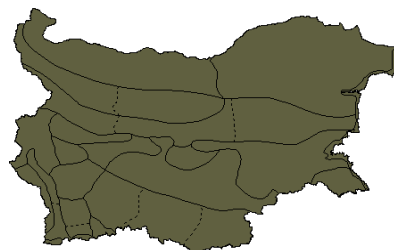


0

Eur

# **Ranunculus penicillatus**

(Dumort.) Bab.



1000

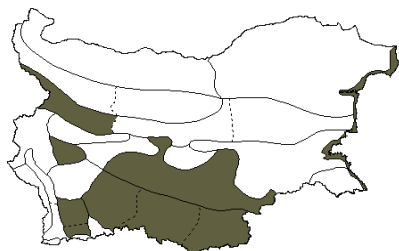


0

Eur

# **Ranunculus ophioglossifolius**

Vill.



1700

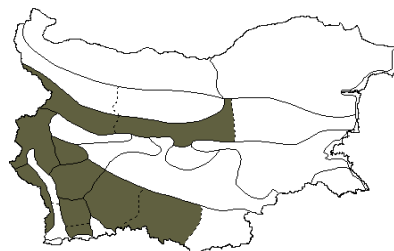


0

subMed

# **Ranunculus platanifolius**

L.



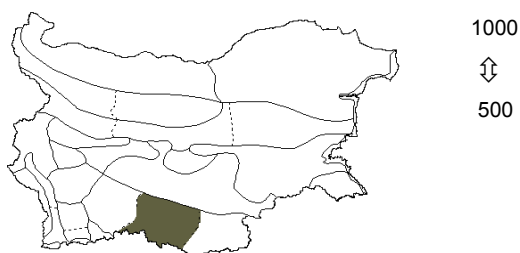
2200



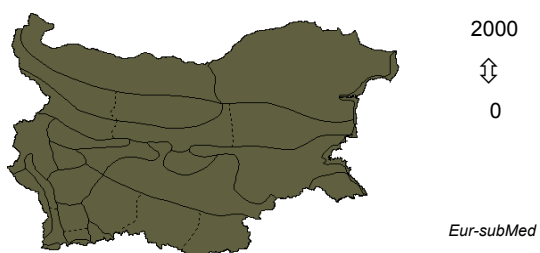
1200

Eur

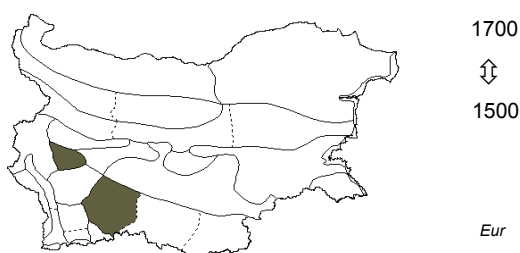
**Ranunculus polyanthemoides**  
Boreau



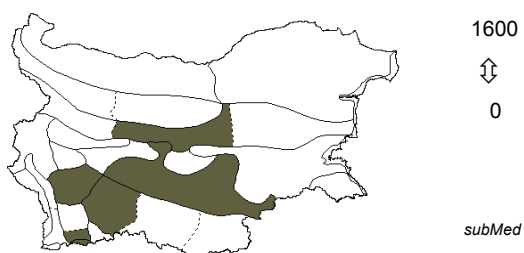
**Ranunculus polyanthemus**  
L.



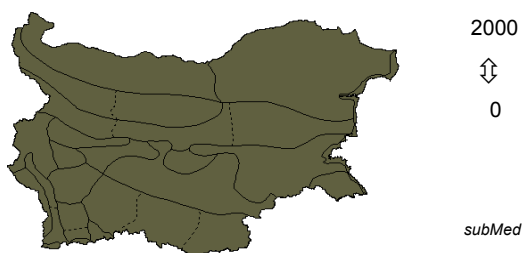
**Ranunculus pseudomontanus**  
Schur



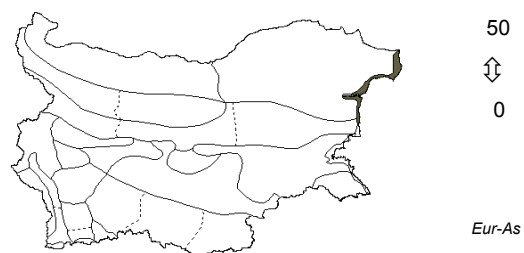
**Ranunculus psilostachys**  
Griseb.



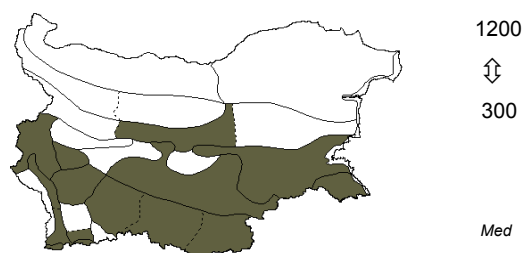
**Ranunculus repens**  
L.



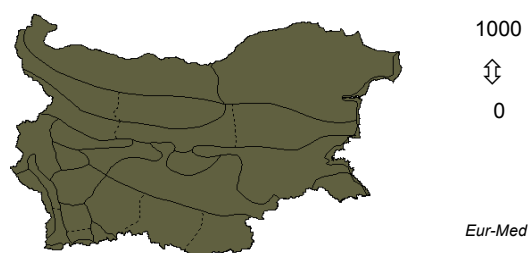
**Ranunculus rionii**  
Lagger



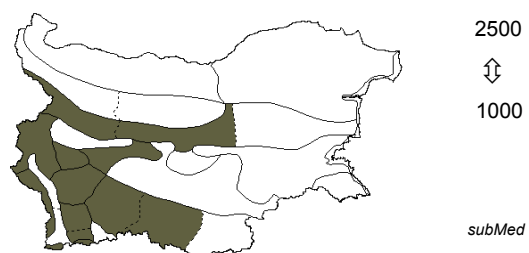
**Ranunculus rumelicus**  
Griseb.



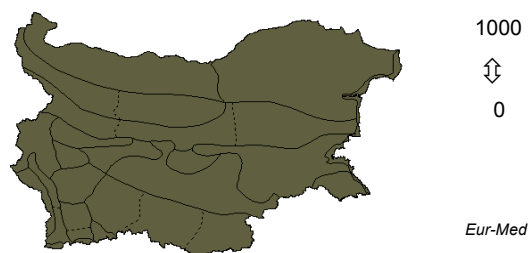
**Ranunculus sardous**  
Crantz



**Ranunculus sartorianus**  
Boiss. & Heldr.



**Ranunculus sceleratus**  
L.



### Ranunculus serbicus

Vis.



1500

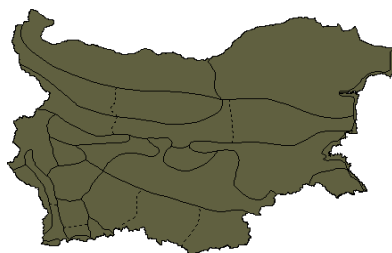


0

Ap-Bal

### Ranunculus trichophyllus

Chaix



2500

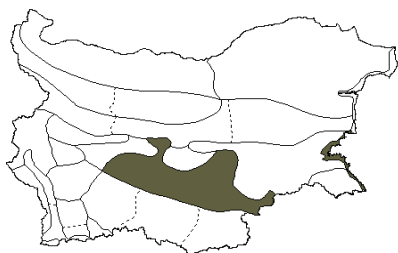


300

Kos

### Ranunculus sphaerospermus

Boiss. & Blanche



100



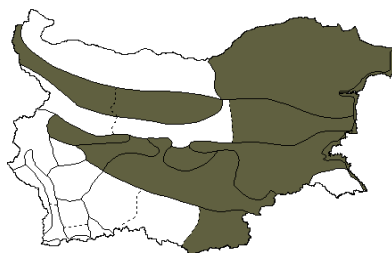
0



Med-Bal

### Ranunculus velutinus

Ten.



800

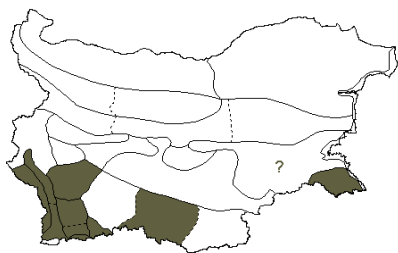


0

Med

### Ranunculus sprunerianus

Boiss.



1500

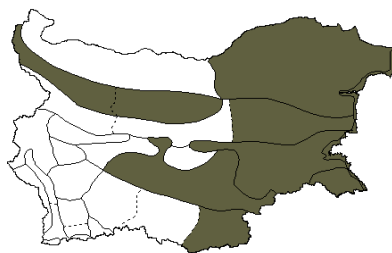


500

subMed

### Ranunculus villosus

DC.



500

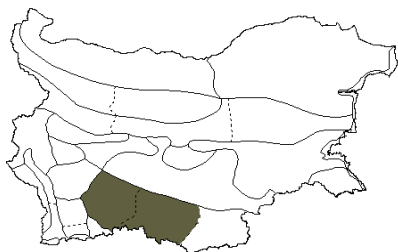


0

subMed

### Ranunculus stojanovii

Delip.



1250



200



Bul

### Raphanus raphanistrum

L.



1500

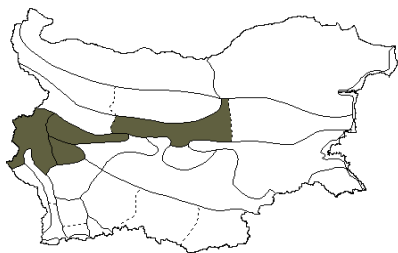


0

Eur-Sib

### Ranunculus strigulosus

Schur



1200

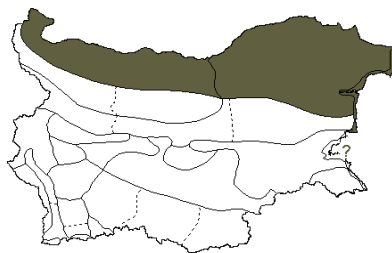


500

Pont-subMed

### Rapistrum perenne

(L.) All.



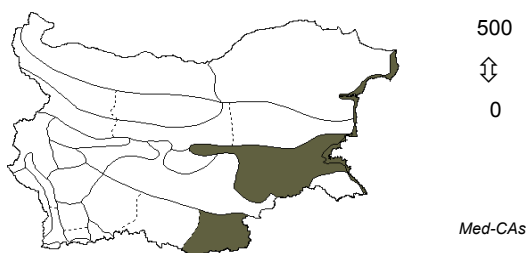
500



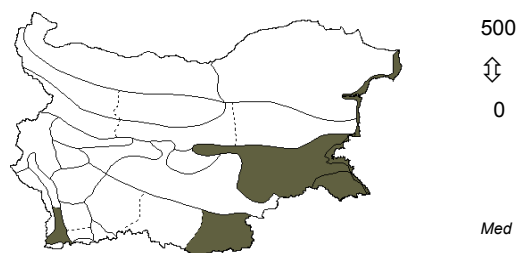
0

Eur

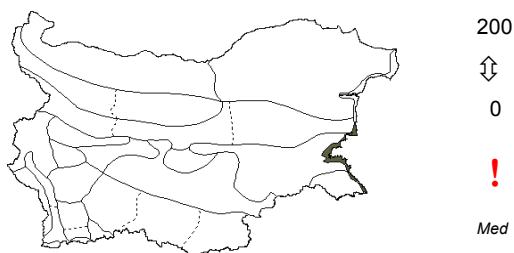
**Rapistrum rugosum**  
(L.) All.



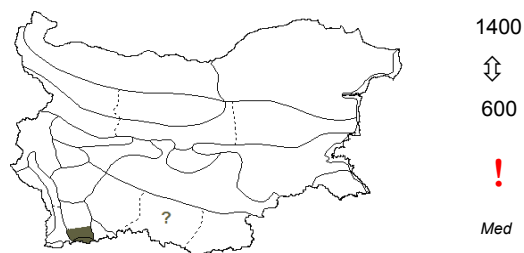
**Rhagadiolus stellatus**  
(L.) Gaertn.



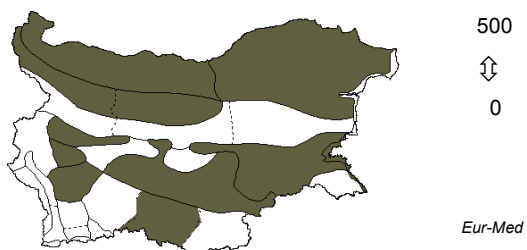
**Reichardia picroides**  
(L.) Roth



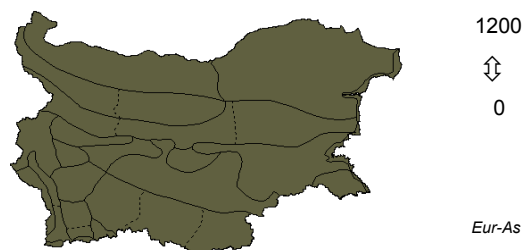
**Rhamnus alpinus**  
L.



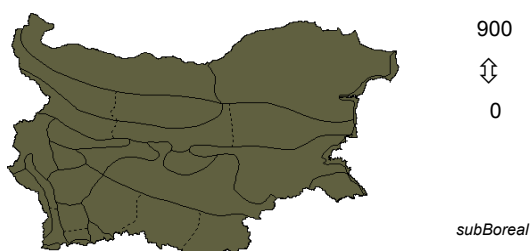
**Reseda inodora**  
Rchb.



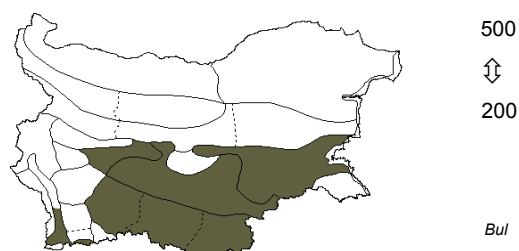
**Rhamnus catharticus**  
L.



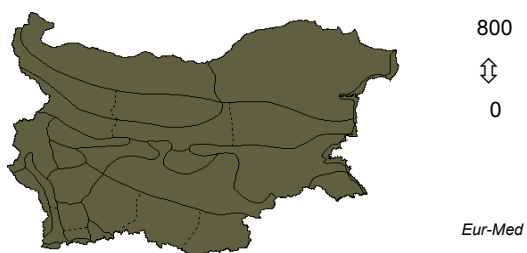
**Reseda lutea**  
L.



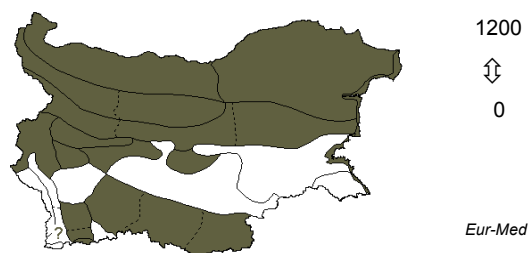
**Rhamnus rhodopeus**  
Velen.



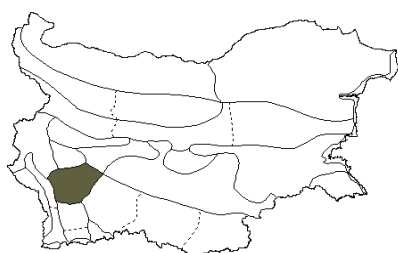
**Reseda luteola**  
L.



**Rhamnus saxatilis**  
Jacq.



# **Rheum rhaponticum** L.



2400

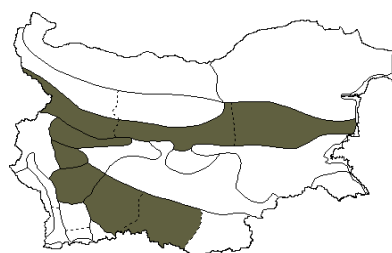


1500



Bul

# **Rhinanthus minor** L.



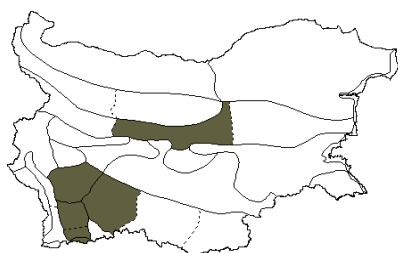
2000



0

Eur-Sib

# **Rhinanthus alpinus** Baumg.



2900



2000

Alp-Carp-Bal

# **Rhinanthus rumelicus** Velen.



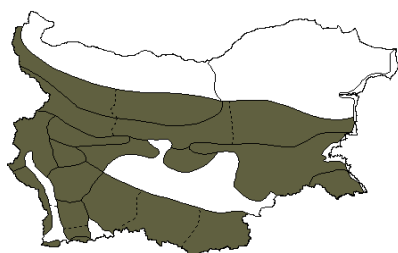
1200



0

Eur-Med

# **Rhinanthus angustifolius** C. C. Gmel.



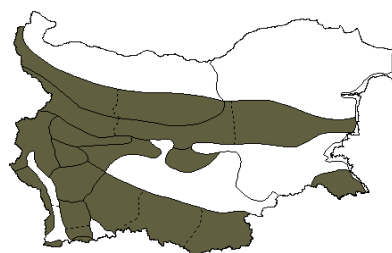
2000



800

Eur

# **Rhinanthus wagneri** Degen



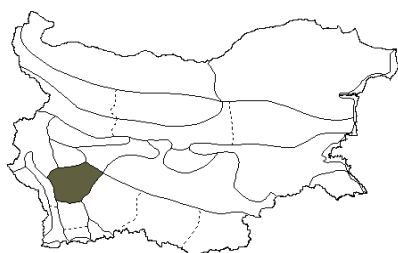
2900



1000

subMed

# **Rhinanthus gracilis** Schur

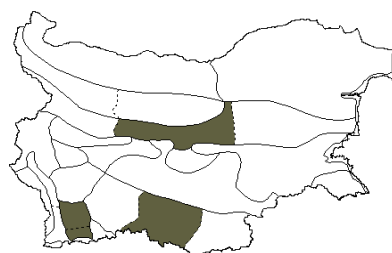


1500



1500

# **Rhodax alpestris** (Jacq.) Fuss



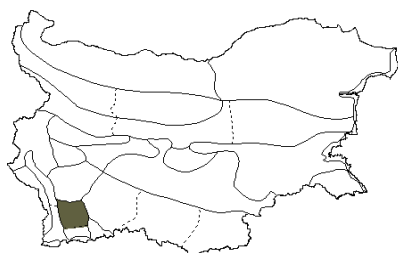
2500



1400

Alp-Med

# **Rhinanthus javorkae** Sóo



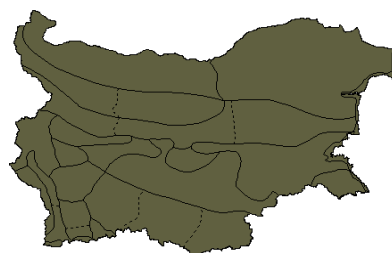
2900



2000

Bul

# **Rhodax canus** (L.) Fuss



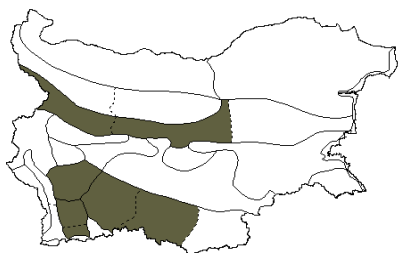
2800



50

Pont

**Rhodiola rosea**  
L.



2600

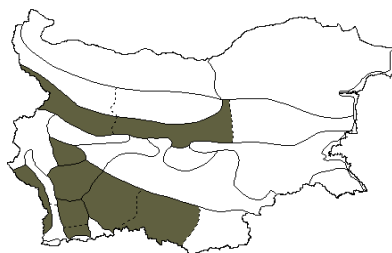


1800



Boreal

**Ribes alpinum**  
L.



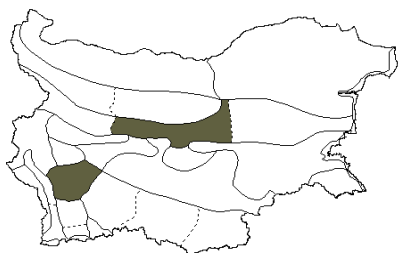
2000



1200

Eur

**Rhododendron myrtifolium**  
Schott & Kotschy



2500

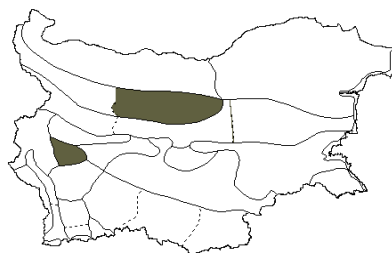


2000



Carp-Bal

**Ribes aureum**  
Pursh



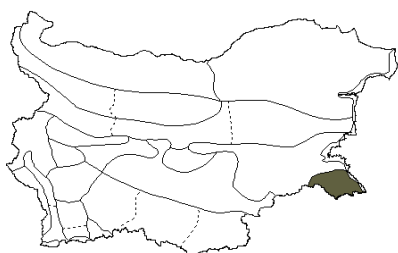
1000



0

Adv (NAm)

**Rhododendron ponticum**  
L.



300

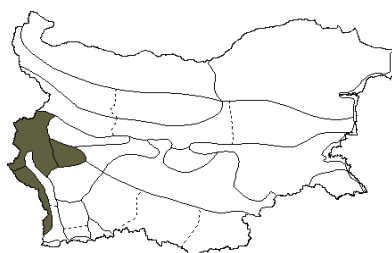


150



Eux

**Ribes multiflorum**  
Kit. ex Roem. & Schult.



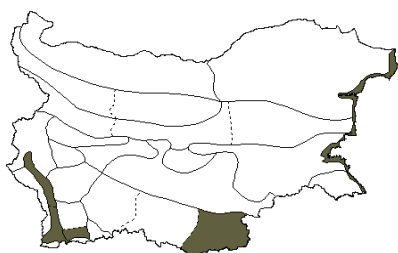
1200



900

Ap-Bal

**Rhus coriaria**  
L.



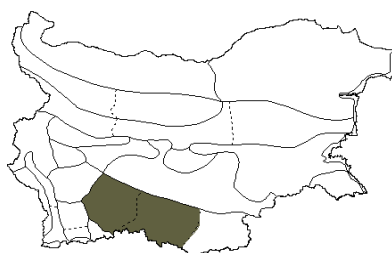
700



0

Med-As

**Ribes nigrum**  
L.



1800

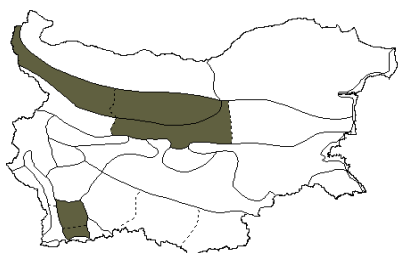


1600



Arct-Alp

**Rhynchocorys elephas**  
(L.) Griseb.



2000

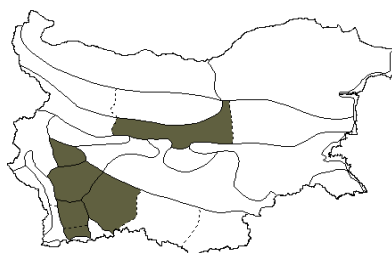


1000



subMed

**Ribes petraeum**  
Wulfen



2100

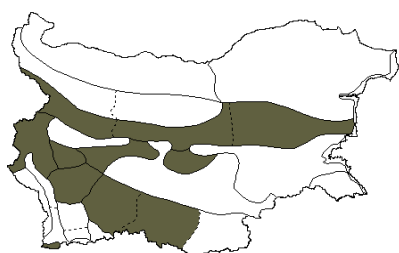


1200

subMed



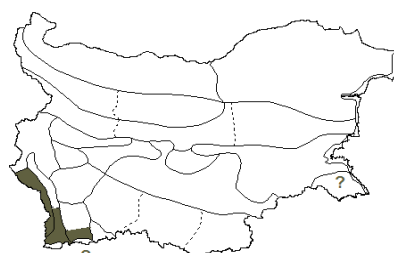
**Ribes uva-crispa**  
L.



1500  
⇕  
750

subMed

**Romulea bulbocodium**  
(L.) Sebast. & Mauri

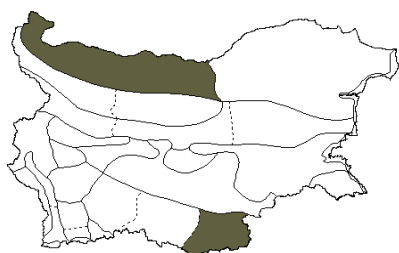


500  
⇕  
0

!

Med

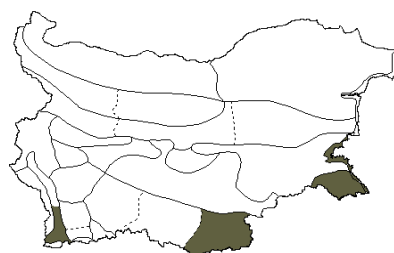
**Rindera umbellata**  
(Waldst. & Kit.) Bunge



500  
⇕  
0

Pont

**Romulea linairesii**  
Parl.



300  
⇕  
0

!

EMed

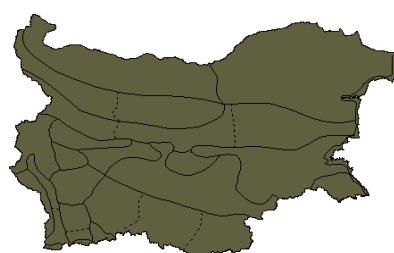
**Robinia pseudoacacia**  
L.



1000  
⇕  
0

Adv (NAm)

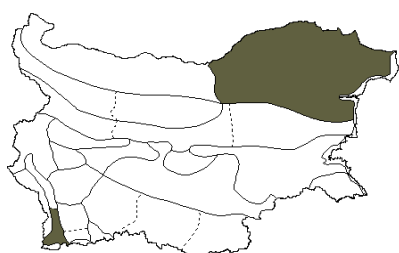
**Rorippa amphibia**  
(L.) Besser



500  
⇕  
0

Eur-As

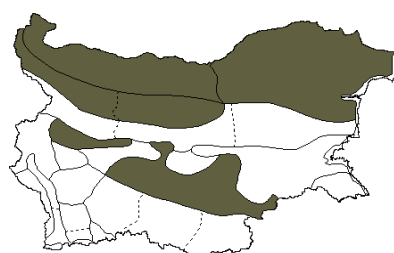
**Rochelia disperma**  
(L. f.) K. Koch



200  
⇕  
100

Med-CAs

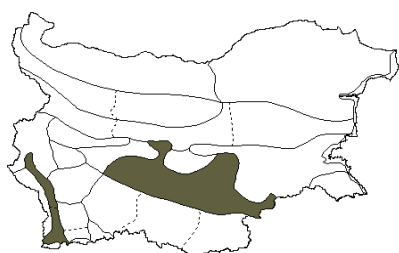
**Rorippa armoratioides**  
(Tausch) Fuss



500  
⇕  
0

Hybr

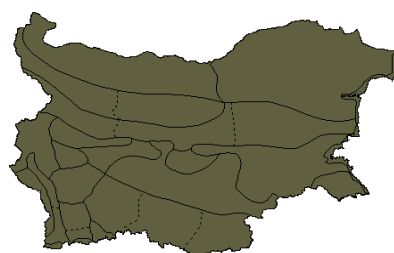
**Roemeria hybrida**  
(L.) DC.



500  
⇕  
0

Med-CAs

**Rorippa austriaca**  
(Crantz) Besser



1000  
⇕  
0

Eur-Med

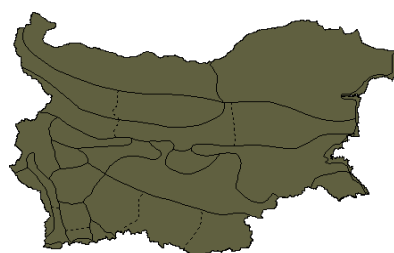
**Rorippa palustris**  
(L.) Besser



1000  
⇕  
0

subBoreal

**Rosa agrestis**  
Savi



1600  
⇕  
0

subMed

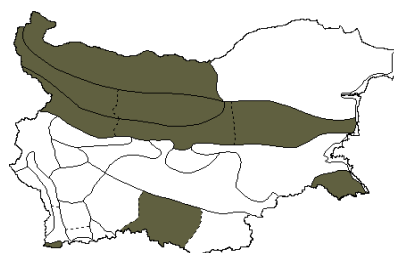
**Rorippa prolifera**  
(Heuff.) Neilr.



1000  
⇕  
0

Bal-Dac

**Rosa arvensis**  
Huds.



1000  
⇕  
50

subMed

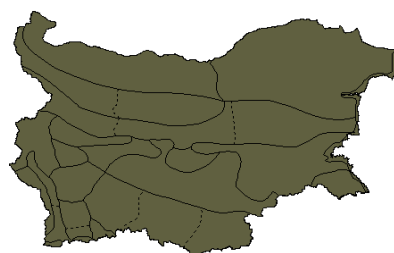
**Rorippa pyrenaica**  
(L.) Rchb.



1000  
⇕  
0

subMed

**Rosa caesia**  
Sm.



2000  
⇕  
300

Eur

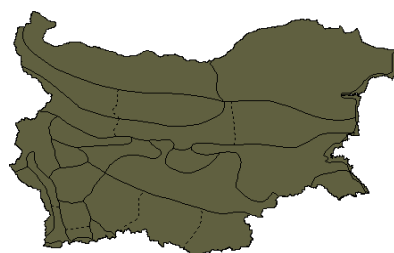
**Rorippa sylvestris**  
(L.) Besser



1000  
⇕  
0

Eur-As

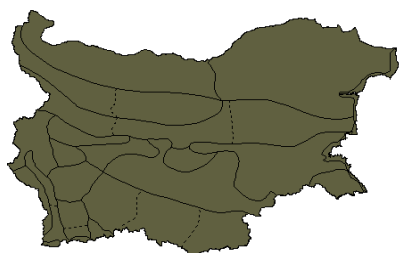
**Rosa canina**  
L.



2000  
⇕  
0

subMed

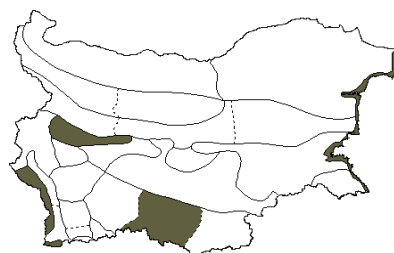
**Rorippa thracica**  
(Griseb.) Fritsch



1600  
⇕  
0

subMed

**Rosa caryophyllacea**  
Besser



1000  
⇕  
0

subMed

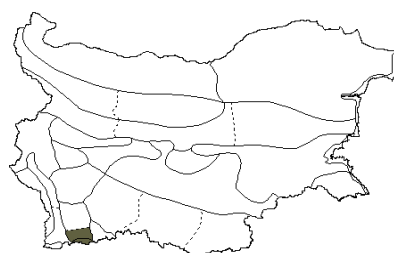
**Rosa corymbifera**  
Borkh.



1000  
⇕  
0

Eur-As

**Rosa heckeliana**  
Tratt.



1200  
⇕  
800

Eur

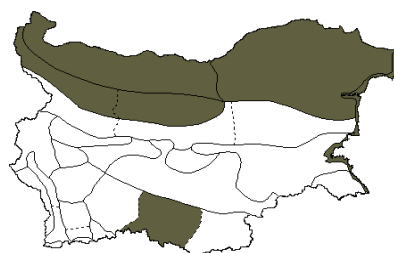
**Rosa dumalis**  
Bechst.



1500  
⇕  
0

Eur-As

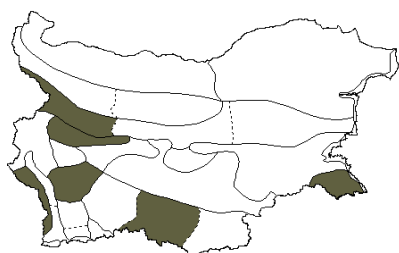
**Rosa jundzillii**  
Besser



1800  
⇕  
0

Eur

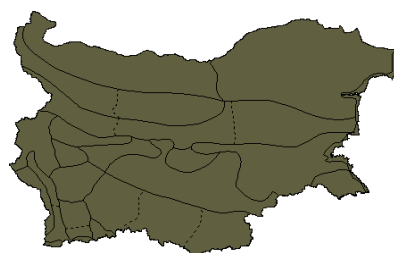
**Rosa elliptica**  
Tausch



1500  
⇕  
500

subMed

**Rosa micrantha**  
Borrer ex Sm.



1200  
⇕  
0

subMed

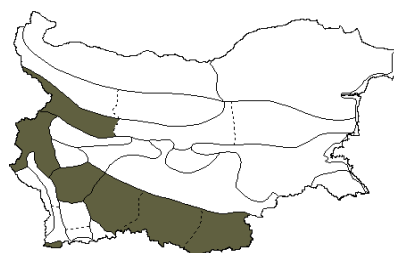
**Rosa gallica**  
L.



1000  
⇕  
0

Eur-Med

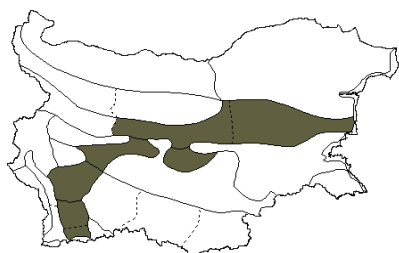
**Rosa mollis**  
Sm.



1500  
⇕  
400

Eur-Med

**Rosa glauca**  
Pourret



2000  
⇕  
1000

subMed

**Rosa myriacantha**  
DC.ex Lam. & DC.

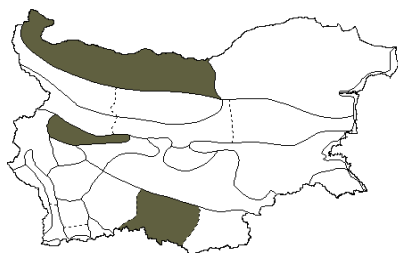


2000  
⇕  
300

subMed

### *Rosa nitidula*

Besser



1000

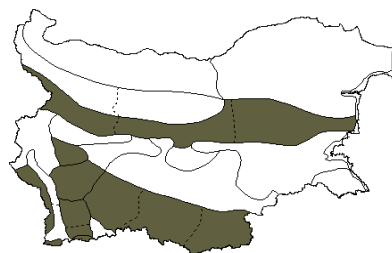


0

Eur

### *Rosa pulverulenta*

M. Bieb.



2000

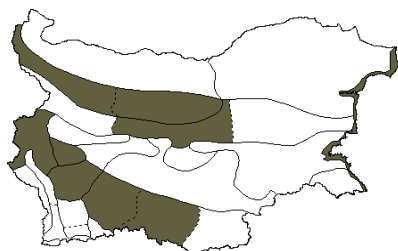


800

Med

### *Rosa obtusifolia*

Desv.



1200

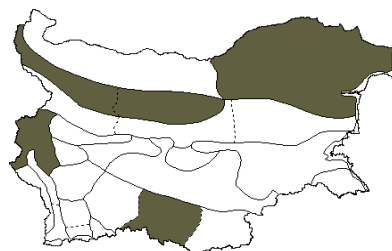


0

Eur

### *Rosa pumila*

Jacq.



1600

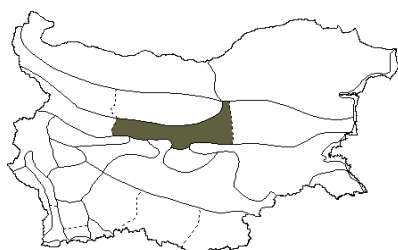


100

subMed

### *Rosa oxyodon*

Boiss.



1600

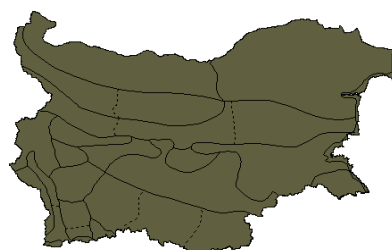


1000

Med

### *Rosa tomentosa*

Sm.



1200

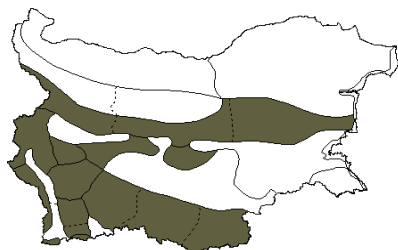


100

subMed

### *Rosa pendulina*

L.



2500

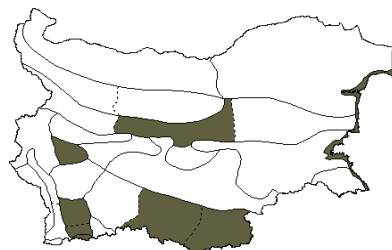


1000

subMed

### *Rosa turcica*

Rouy



1600

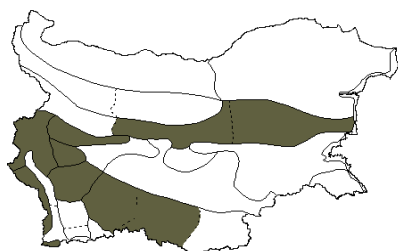


0

Med

### *Rosa pimpinellifolia*

L.



1500

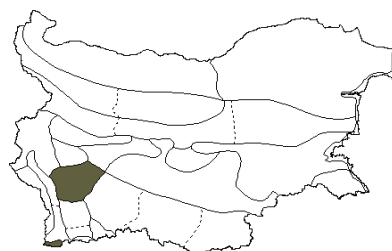


1000

subMed

### *Rosa villosa*

L.



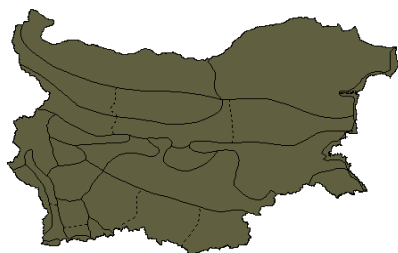
1500



1000

subMed

**Rosa vosagiaca**  
Desp.



2000  
⇕  
500

subMed

**Rubus canescens**  
DC.



1800  
⇕  
0

Eur-Med

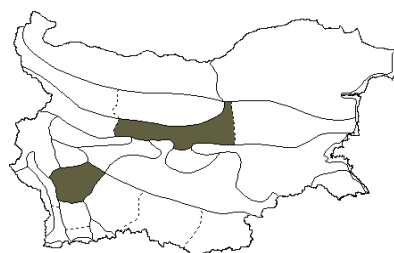
**Rubia tinctorum**  
L.



1000  
⇕  
0

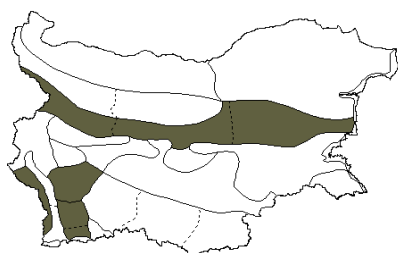
Med

**Rubus cerasifolius**  
Sudre



1100  
⇕  
700

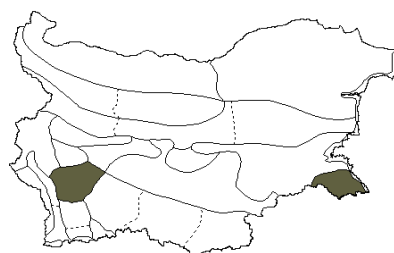
**Rubus anoplocladus**  
Sudre



1500  
⇕  
600

Eur

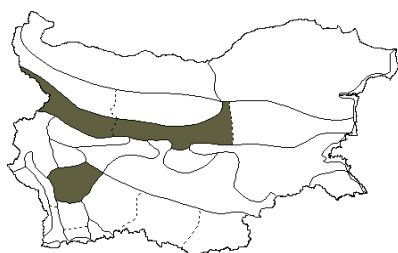
**Rubus condensatus**  
P. J. Müll.



1800  
⇕  
200

Eur

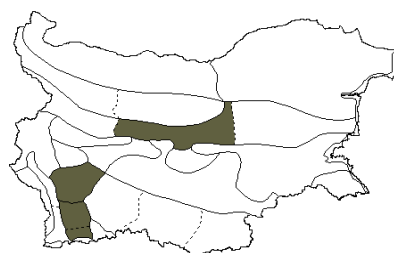
**Rubus apiculatus**  
Weihe & Nees



1100  
⇕  
500

Eur

**Rubus crassus**  
Holuby



1400  
⇕  
900

**Rubus caesius**  
L.



1600  
⇕  
0

Eur-As

**Rubus discolor**  
Weihe & Nees

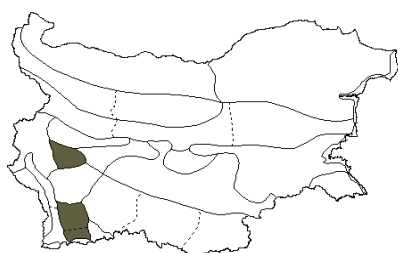


1400  
⇕  
0

subMed

### Rubus euryanthemus

W. Watson



1500

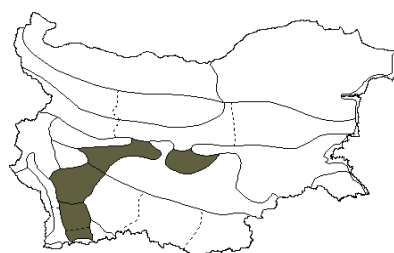


1400

Eur

### Rubus guentheri

Weihe & Nees



1400

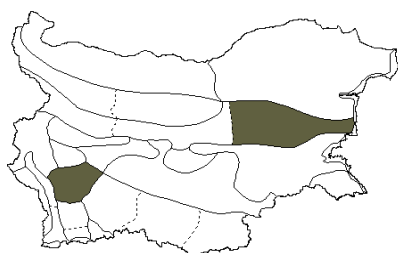


900

Eur

### Rubus finitimus

Sudre



1000

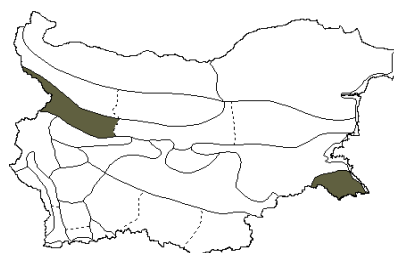


700

Eur

### Rubus hebecaulis

Sudre



500

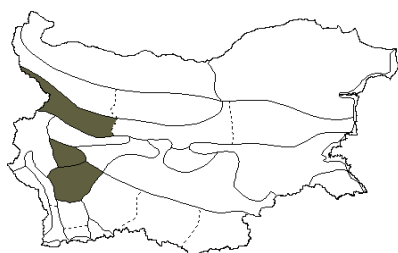


300

Eur

### Rubus fragariiflorus

P. J. Müll.



1600

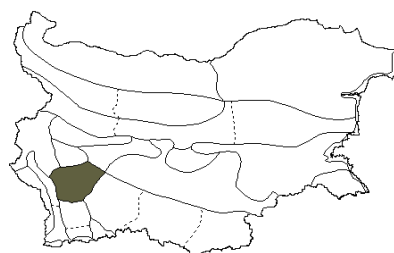


800

Eur

### Rubus hercynicus

G. Braun ex Focke



1000

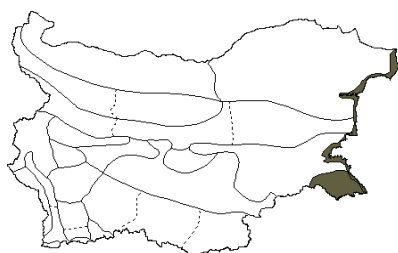


900

Eur

### Rubus geniculatus

Kaltenb.



300

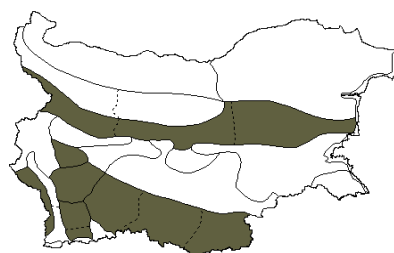


0

Eur

### Rubus hirtus

Waldst. & Kit.



1400

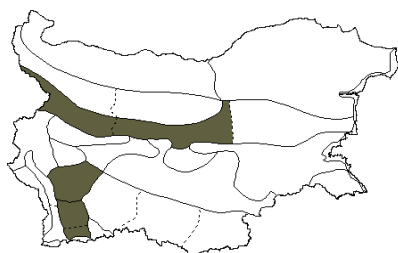


800

subMed

### Rubus glandulosus

Bellardi



1400

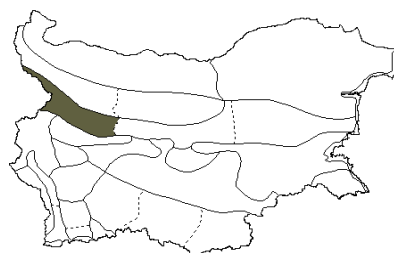


1000

subMed

### Rubus humifusus

Weihe & Nees



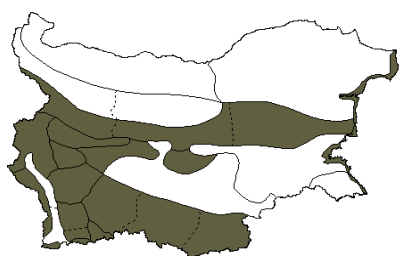
500



400

Eur

# **Rubus idaeus** L.



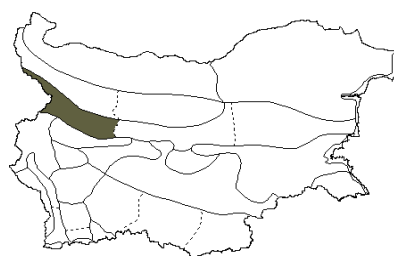
2200



100

subBoreal

# **Rubus macrostachys** P. J. Müll.



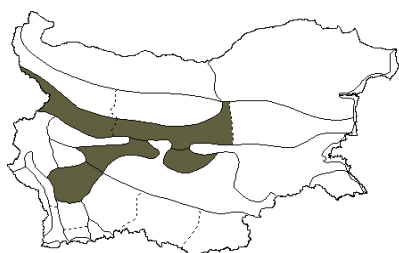
700



400

Eur

# **Rubus incultus** Wirtg. ex Focke



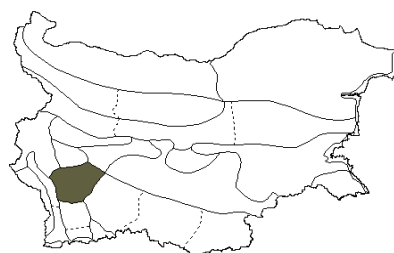
1500



400

Eur

# **Rubus melanoxylon** P. J. Müll. & Wirtg. ex Genev.



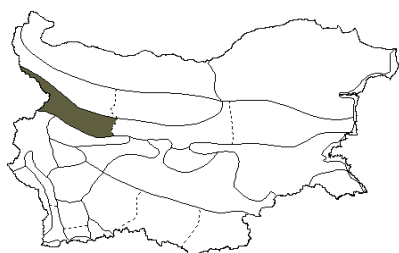
1800



1500

Eur

# **Rubus koehleri** Weihe & Nees



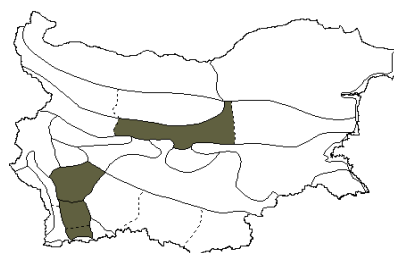
600



400

Eur

# **Rubus minutidentatus** Sudre



1400



800

Eur

# **Rubus lloydianus** Genev.



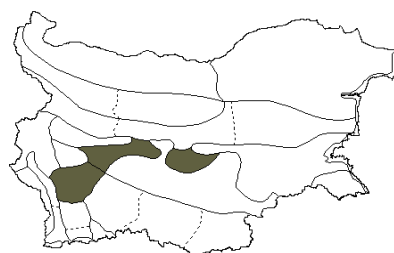
1600



0

Eur

# **Rubus minutiflorus** P. J. Müll.



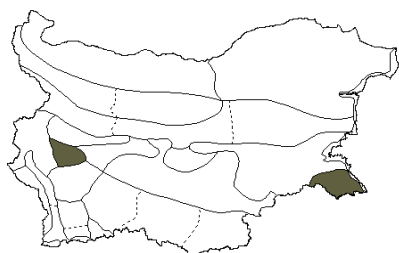
1400



800

Eur

# **Rubus macrophyllus** Weihe & Nees



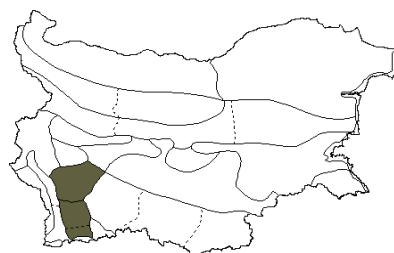
600



600

Eur

# **Rubus miostilus** Boulay



1200

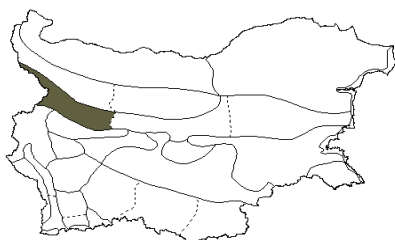


800

subMed

### Rubus oblongoobovatus

Markova



1400

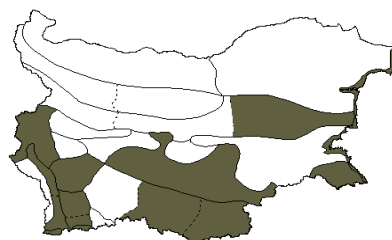


1400

Bul

### Rubus sanguineus

Friv.



600

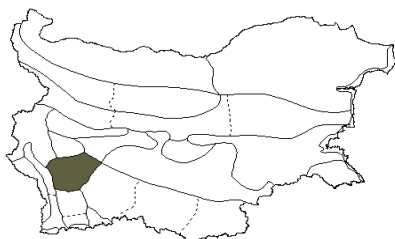


0

Pont-Med

### Rubus pectinatus

Sudre & Grav.



1000

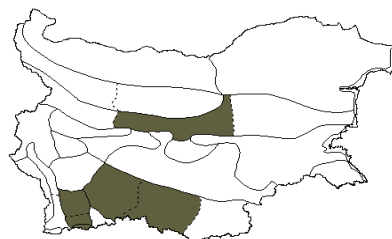


900

Eur

### Rubus saxatilis

L.



1900

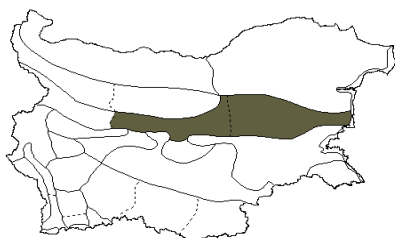


1000

Eur-As

### Rubus posoniensis

Sabr.



1200

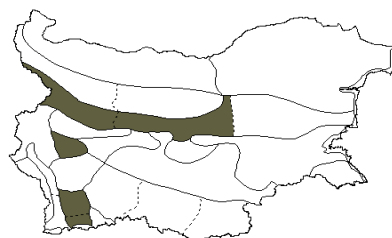


700

Eur

### Rubus scaber

Weihe & Nees



1500

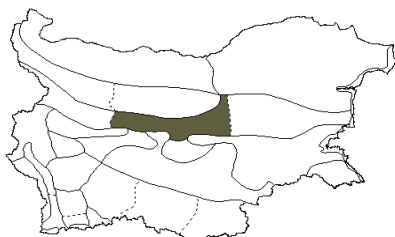


900

Eur

### Rubus radula

Weihe ex Boenn.



1100

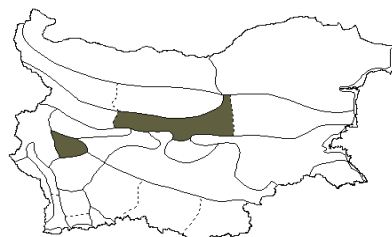


800

Eur

### Rubus schleicheri

Weihe ex Tratt.



1400

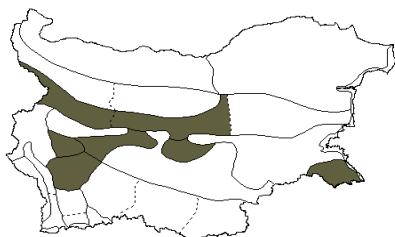


900

Eur

### Rubus rivularis

Wirtg. & P. J. Müll.



1000

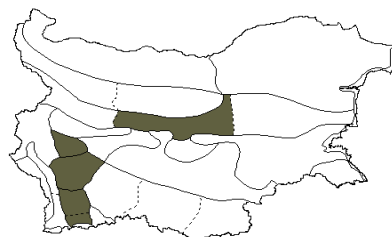


200

Eur

### Rubus serpens

Weihe ex Lej. & Court.



1400



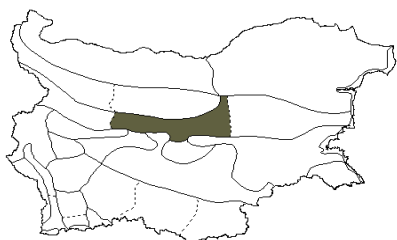
800

Eur



### Rubus spinosulus

Sudre



1000

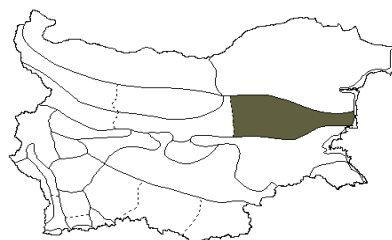


900

Eur

### Rubus vepallidus

Sudre



1100

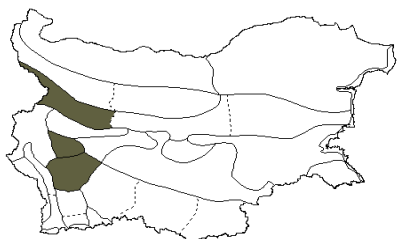


800

Eur

### Rubus tereticaulis

P. J. Müll.



1400



800

Eur

### Rumex acetosa

L.



2300



0

Boreal

### Rubus thyrsanthus

Focke



1200

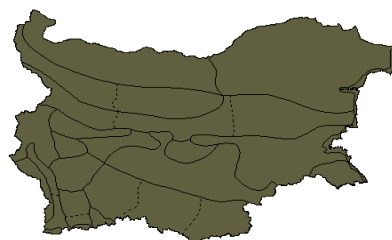


200

Eur

### Rumex acetosella

L.



2500

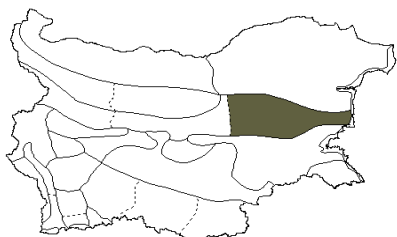


0

Eur-subMed

### Rubus thyrsoflorus

Weihe & Nees



700

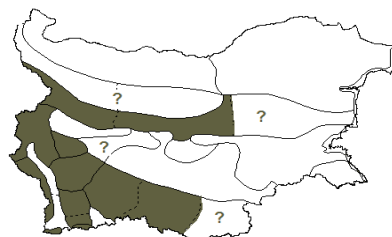


700

Eur

### Rumex alpinus

L.



2900

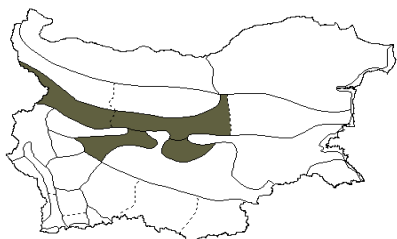


650

Alp-Carp-Bal

### Rubus trachyadenes

Sudre



1400

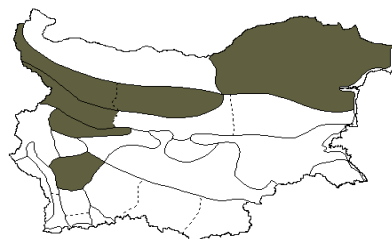


800

Eur

### Rumex aquaticus

L.



1800

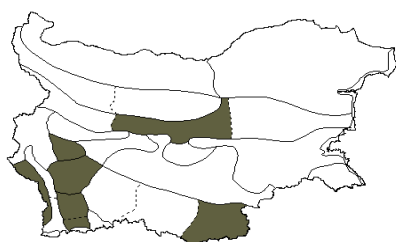


0

Eur-As

### Rumex arifolius

All.



2100



1500

subBoreal

### Rumex dentatus

L.



300

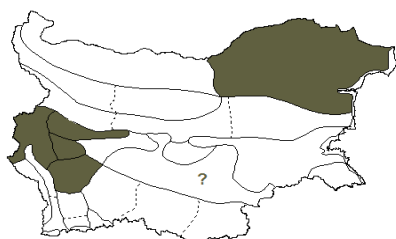


0

Med-CAs

### Rumex confertus

Willd.



900

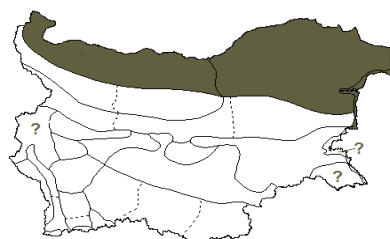


0

Eur-As

### Rumex hydrolapathum

Huds.



100

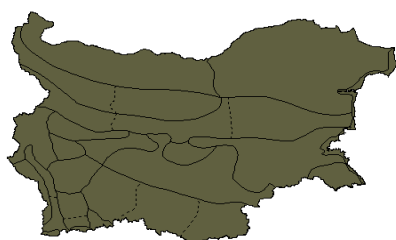


0

Eur-Med

### Rumex conglomeratus

Murr.



1500

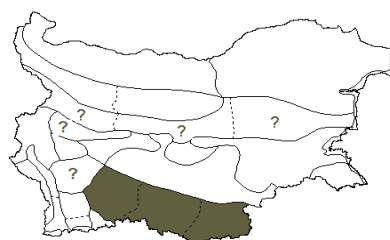


0

Eur-As

### Rumex kernerii

Borbás



1000



200

subMed

### Rumex crispus

L.



1400

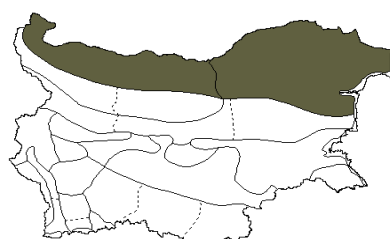


0

Boreal

### Rumex maritimus

L.



100

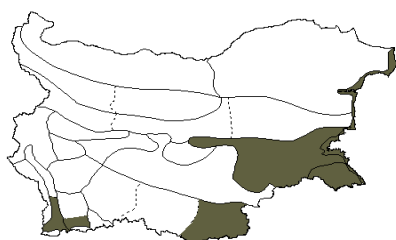


0

Eur-As

### Rumex cristatus

DC.



500

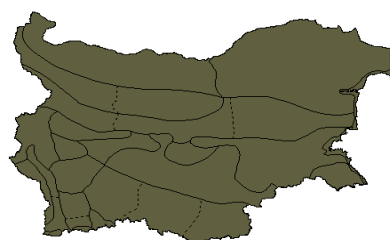


0

Eur

### Rumex obtusifolius

L.



2000



0

Eur-Med

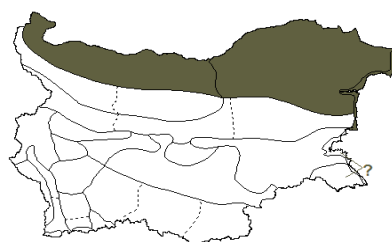
**Rumex palustris**  
Sm.



800  
⇕  
0

Eur-As

**Rumex stenophyllus**  
Ledeb.



100  
⇕  
0

Eur-As

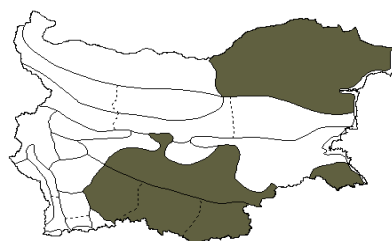
**Rumex patientia**  
L.



1700  
⇕  
0

Eur-As

**Rumex tenuifolius**  
(Wallr.) A. Löve



1000  
⇕  
0

Eur

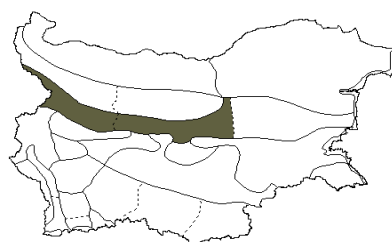
**Rumex pulcher**  
L.



1100  
⇕  
0

Eur-As

**Rumex thyrsiflorus**  
Fingerh.



1000  
⇕  
0

Eur-As

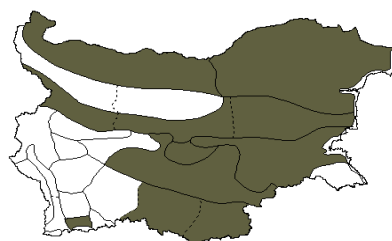
**Rumex sanguineus**  
L.



1200  
⇕  
0

Eur-Med

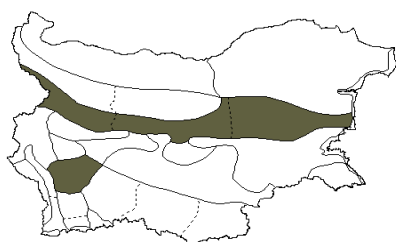
**Rumex tuberosus**  
L.



1500  
⇕  
0

Boreal

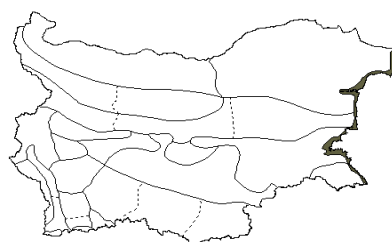
**Rumex scutatus**  
L.



2700  
⇕  
1800

subMed

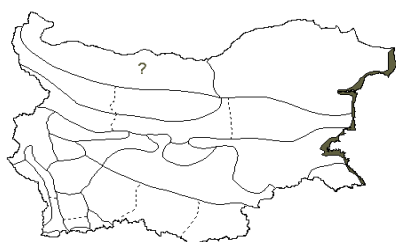
**Ruppia cirrhosa**  
(Petagna) Grande



0  
⇕  
0

Kos

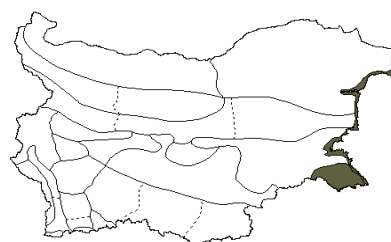
# **Ruppia maritima** L.



0  
⇕  
0

Kos

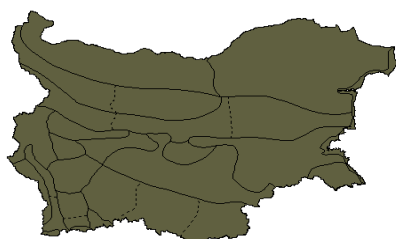
# **Sagina maritima** Don



0  
⇕  
0

Eur-Med

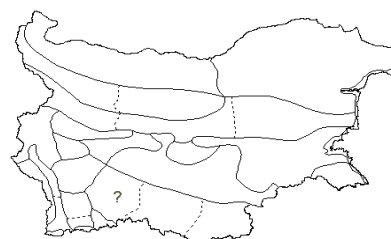
# **Ruscus aculeatus** L.



1000  
⇕  
0

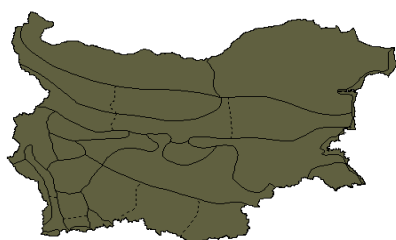
SPont

# **Sagina nodosa** (L.) Fenzl



⇕

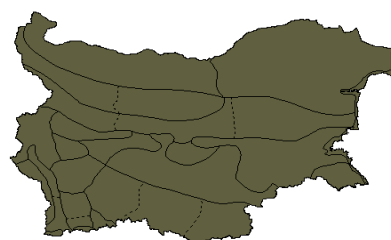
# **Ruscus hypoglossum** L.



1000  
⇕  
0

Pont

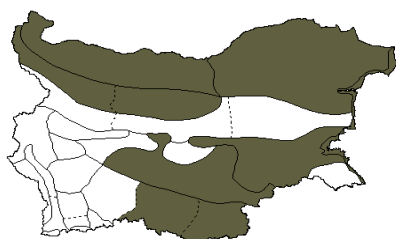
# **Sagina procumbens** L.



2100  
⇕  
0

Boreal

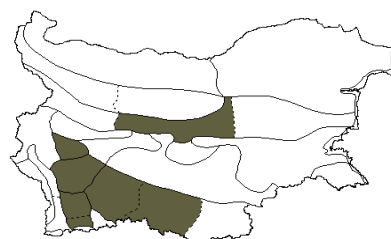
# **Ruta graveolens** L.



400  
⇕  
0

Pont-Med

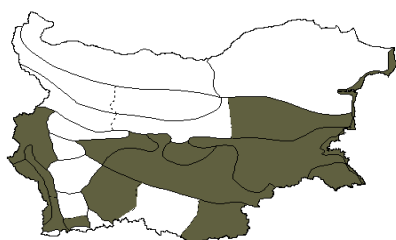
# **Sagina saginoides** (L.) Karst.



2900  
⇕  
1500

Boreal

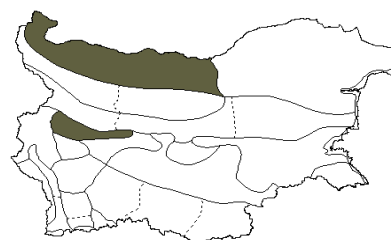
# **Sagina apetala** Ard.



600  
⇕  
0

subMed

# **Sagittaria latifolia** Willd.



0  
⇕  
0

Adv

**Sagittaria sagitifolia**  
L.

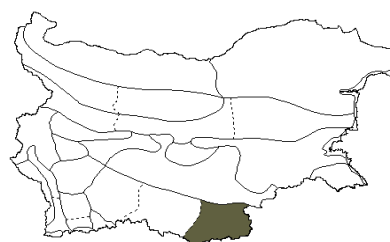


800  
⇕  
0

Eur-As

**Salix ardana**

J. Zieliński & A. Petrova

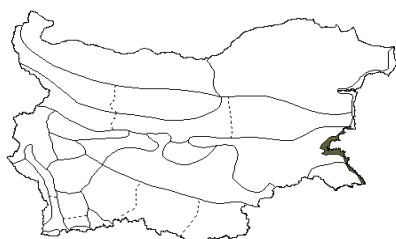


1000  
⇕  
0

Hybr

**Salicornia europaea**

L.

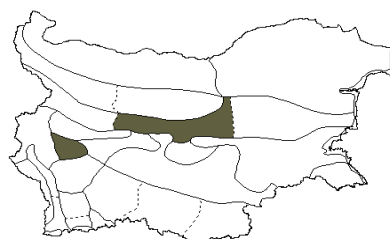


0  
⇕  
0

Eur-As

**Salix aurita**

L.

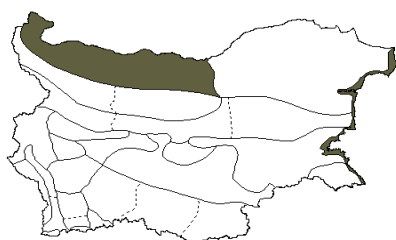


1600  
⇕  
1200

Eur

**Salicornia ramosissima**

Woods

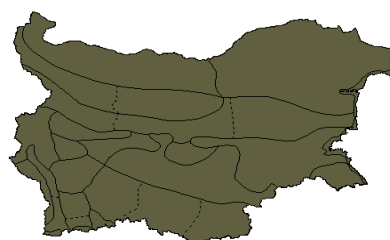


200  
⇕  
0

Eur

**Salix caprea**

L.



2500  
⇕  
0

subBoreal

**Salix alba**

L.

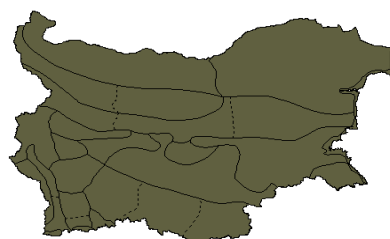


1000  
⇕  
0

Eur-As

**Salix cinerea**

L.

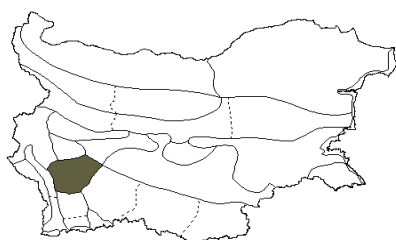


1600  
⇕  
0

Eur-As

**Salix appendiculata**

Vill.

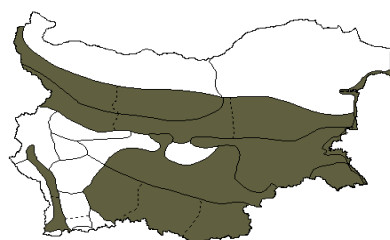


2700  
⇕  
2500

Alp-Bal

**Salix eleagnos**

Scop.



1000  
⇕  
0

subMed

### Salix fragilis

L.



1700



0

Eur-As

### Salix purpurea

L.



1600

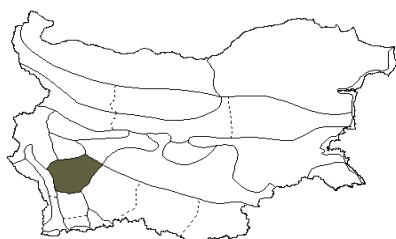


0

Eur-Med-CAs

### Salix hastata

L.



2500

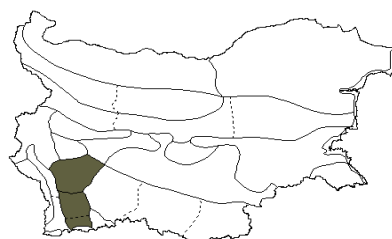


2500

Eur-As

### Salix reticulata

L.



2900

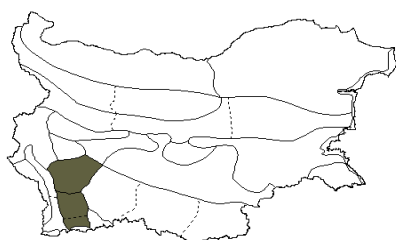


2500

Arct-Alp

### Salix herbacea

L.



2900

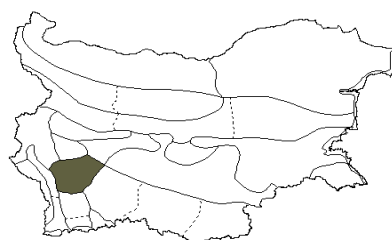


2400

Boreal

### Salix retusa

L.



2900



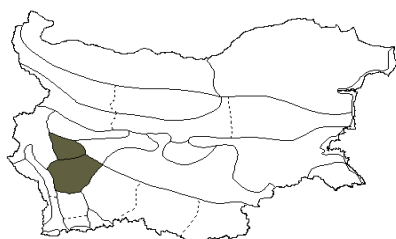
2500



Alp

### Salix lapponum

L.



2600

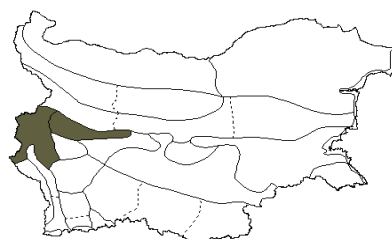


1500

Eur-Sib

### Salix rosmarinifolia

L.



650



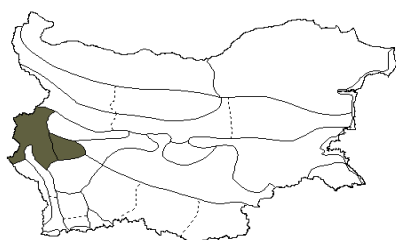
650



Eur-As

### Salix pentandra

L.



1700



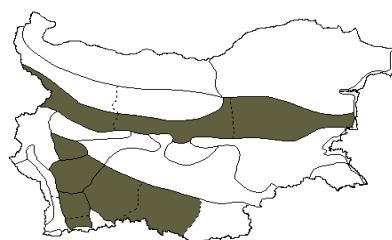
1700



Eur-Sib

### Salix silesiaca

Willd.



2500



1200

Carp-Bal

### Salix triandra

L.



1600

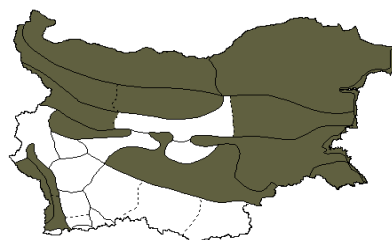


0

subBoreal

### Salsola ruthenica

Iljin



600

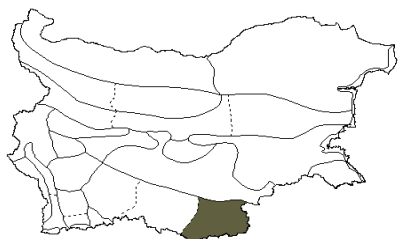


0

Pont-CAs

### Salix velchevii

J. Zieliński & Z. Pancheva



1000

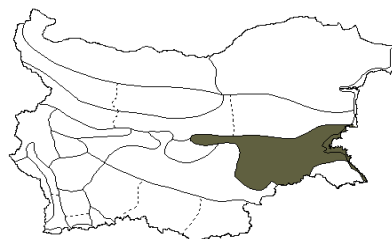


0

Hybr

### Salsola soda

L.



200

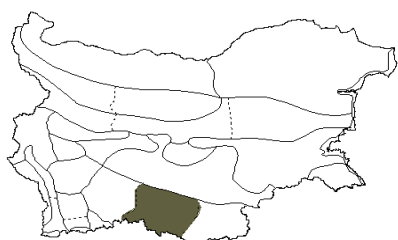


0

Eur-As

### Salix viminalis

L.



1000

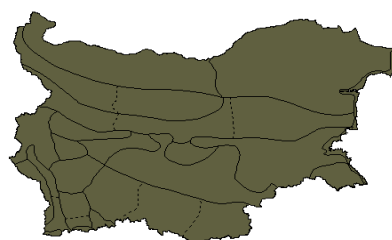


0

Eur-As

### Salvia aethiopis

L.



1000

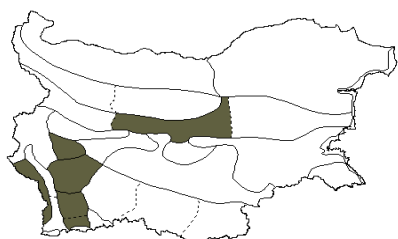


0

Eur-As

### Salix waldsteiniana

Willd.



2500

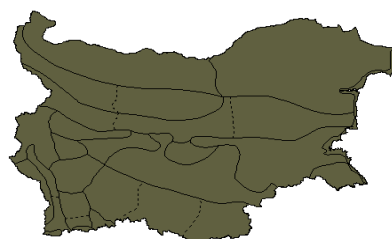


1500

Alp-Carp-Bal

### Salvia amplexicaulis

Lam.



2000

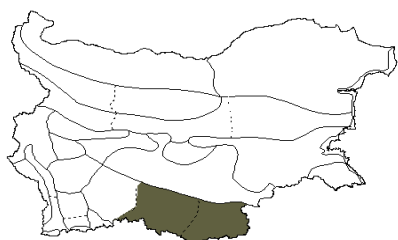


0

Bal-Dac

### Salix xanticola

Christensen



500



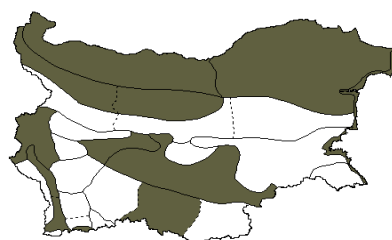
0



Bal

### Salvia argentea

L.



1000

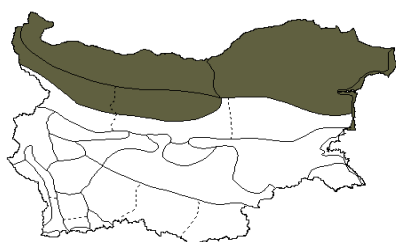


0

Med

### Salvia austriaca

Jacq.



500

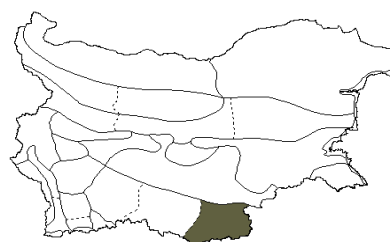


0

Eur

### Salvia officinalis

L.



300

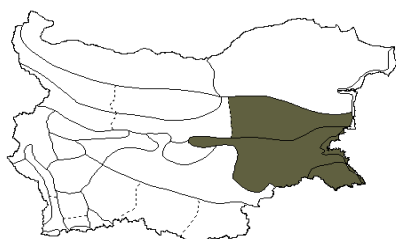


0

Adv

### Salvia forskahlei

L.



800



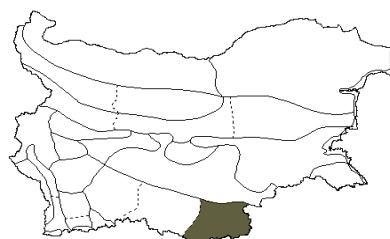
100



SEux

### Salvia pinnata

L.



160



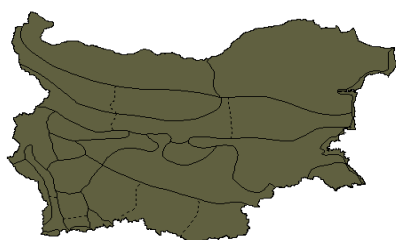
160



Med

### Salvia glutinosa

L.



2500

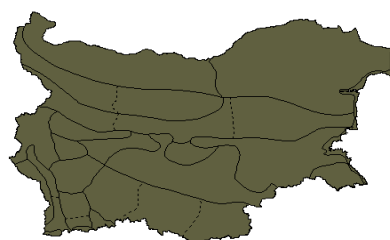


300

Eur-As

### Salvia pratensis

L.



1000

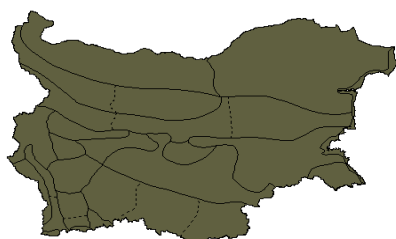


0

Eur-Med

### Salvia nemorosa

L.



2000

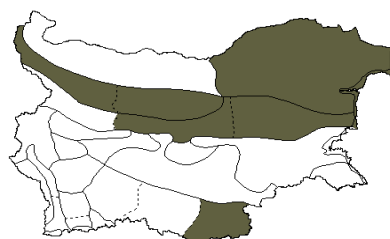


0

Eur-OT

### Salvia ringens

Sm.



1000

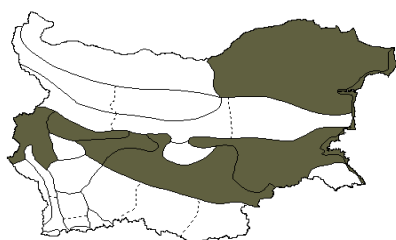


0

Bal

### Salvia nutans

L.



1000

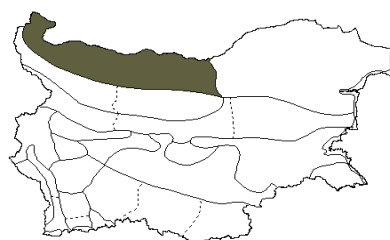


0

Eur-Sib

### Salvia scabiosifolia

Lam.



200



200



Pont



### Salvia sclarea

L.



1000

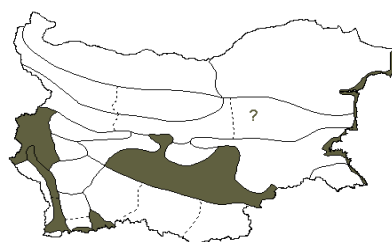


0

Med-As

### Salvia viridis

L.



1000

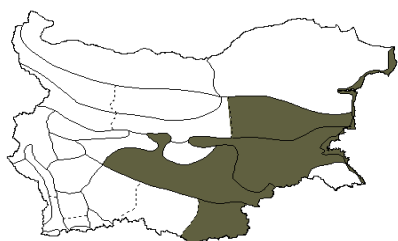


0

Pont-Med

### Salvia tomentosa

Mill.



1000

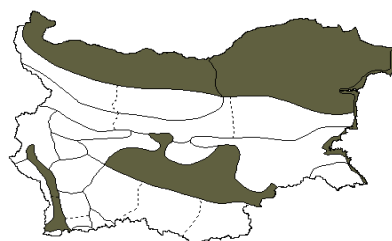


0

subMed

### Salvinia natans

(L.) All.



500

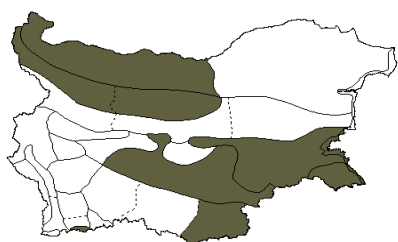


0

Boreal

### Salvia verbenaca

L.



1000

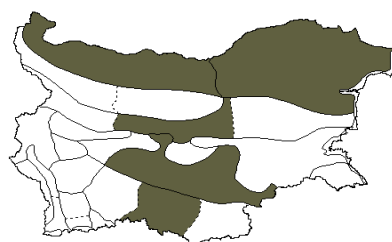


200

subMed

### Sambucus deborensis

(Košanin) Košanin



1500



50

Bal

### Salvia verticillata

L.



1400



0

subMed

### Sambucus ebulus

L.



1700



0

Eur-Med

### Salvia virgata

Jacq.



1000



0

Med-CAs

### Sambucus nigra

L.



1700

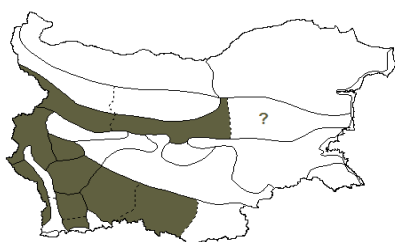


0

Eur-Med

### *Sambucus racemosa*

L.



1900

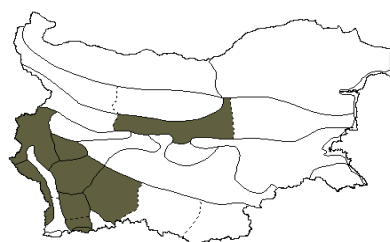


0

Boreal

### *Saponaria bellidifolia*

Sm.



2900

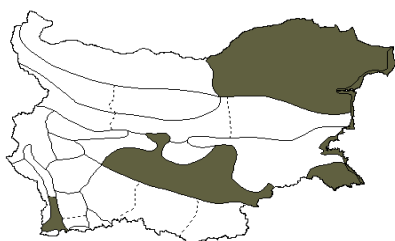


1000

Med

### *Samolus valerandii*

L.



200



0

Kos

### *Saponaria glutinosa*

M. Bieb.



1000



0

subMed

### *Sanguisorba minor*

Scop.



1200

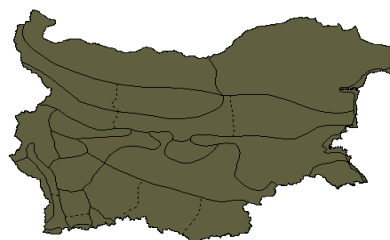


0

subBoreal

### *Saponaria officinalis*

L.



1000

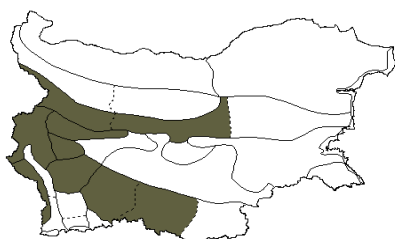


0

Eur-Sib

### *Sanguisorba officinalis*

L.



2200

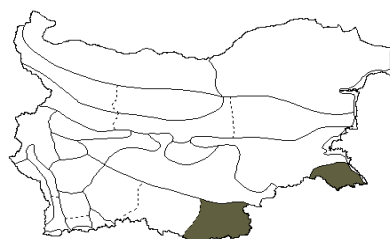


800

subBoreal

### *Saponaria stranjensis*

Jordanov



800



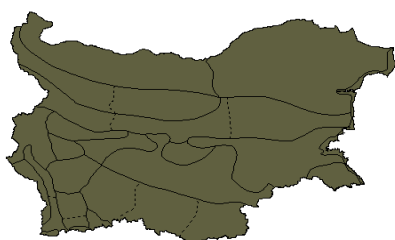
0



Bal

### *Sanicula europaea*

L.



1900

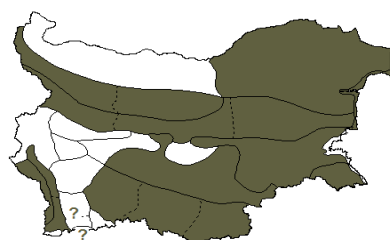


0

Eur-Sib

### *Satureja coerulea*

Janka



1000

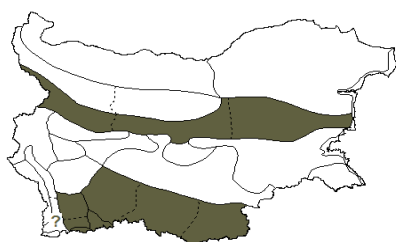


100

subMed

### Satureja cuneifolia

Ten.



1500

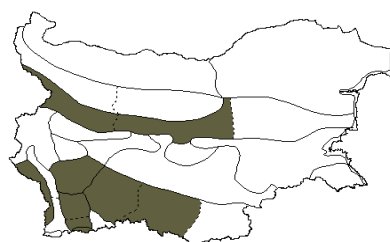


200

subMed

### Saxifraga adscendens

L.



2900

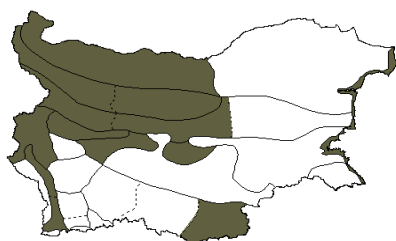


1600

Boreal

### Satureja montana

L.



1400

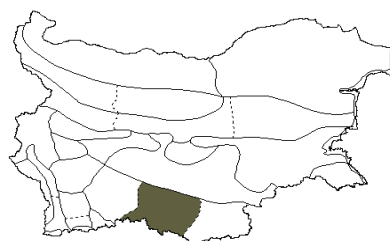


100

Pont-Med

### Saxifraga aizoides

L.



1250



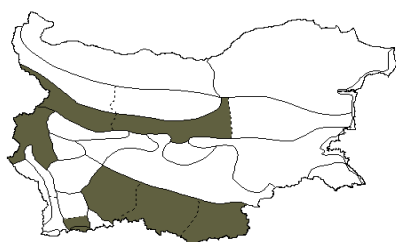
1250



Boreal

### Satureja pilosa

Velen.



1500

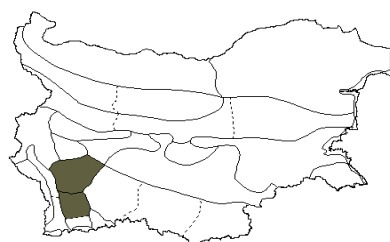


200

Bal

### Saxifraga androsacea

L.



2900



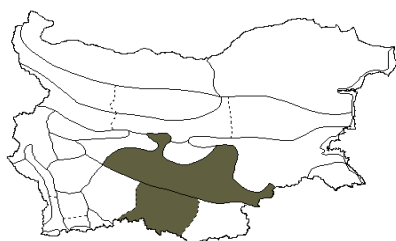
2200



Eur-Sib

### Satureja rumelica

Velen.



400

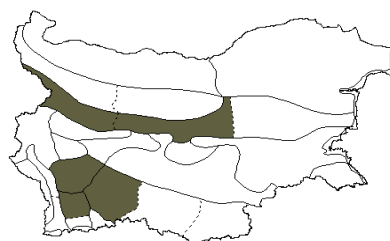


100

Bul

### Saxifraga bryoides

L.



2900

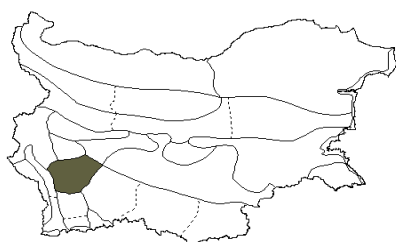


1800

Alp-Med

### Saussurea discolor

(Willd.) DC.



2800



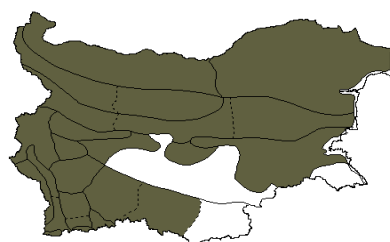
2500



Alp

### Saxifraga bulbifera

L.



1500

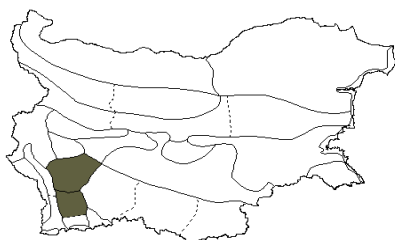


100

subMed

### *Saxifraga carpatica*

Rchb.



2700

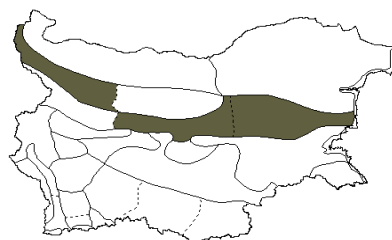


2350

Carp-Bal

### *Saxifraga marginata*

Sternb.



2000



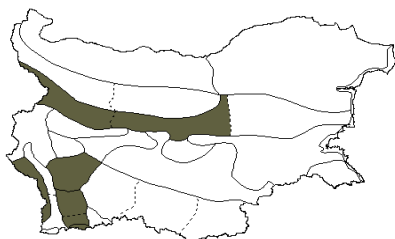
900



Alp-Carp-Bal

### *Saxifraga exarata*

Vill.



2900

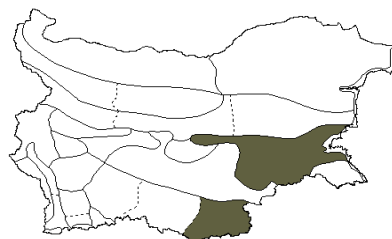


2000

Eur-Anat

### *Saxifraga mollis*

Sm.



500



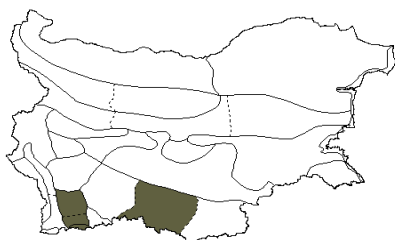
0



Bal-Anat

### *Saxifraga ferdinandi-coburgi*

Kellerer & Sünd.



2900

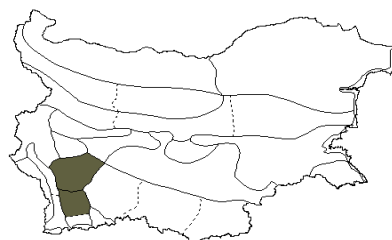


900

Bal

### *Saxifraga oppositifolia*

L.



2900

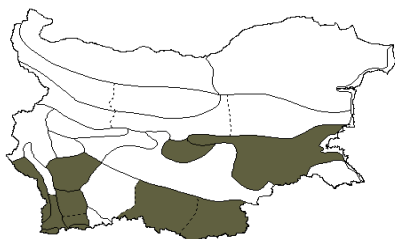


2300

Arct-Alp

### *Saxifraga graeca*

Boiss.



1900

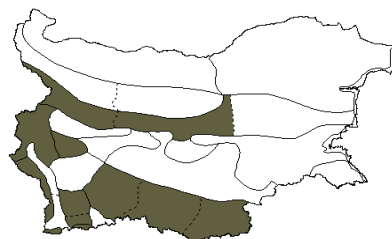


100

Ap-Bal

### *Saxifraga paniculata*

Mill.



2500

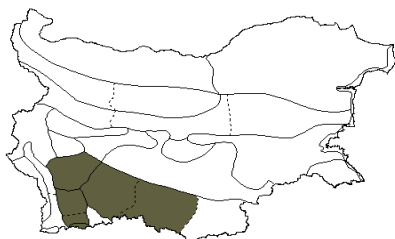


800

Eur-Am

### *Saxifraga luteo-viridis*

Schott & Kotschy



2900

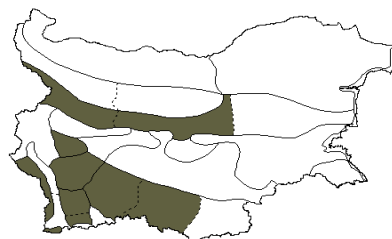


900

Carp-Bal

### *Saxifraga pedemontana*

All.



2900

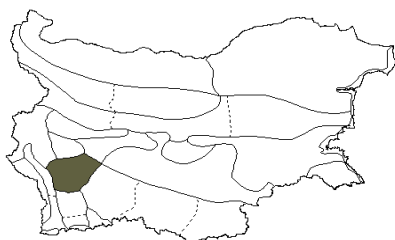


2000

Alp-Ap-Carp-Bal

### *Saxifraga retusa*

Gouan



2900



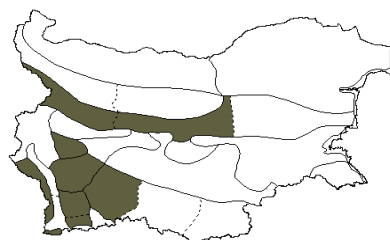
2500



Alp-Ap-Carp-Bal

### *Saxifraga stellaris*

L.



2500



1800

Boreal

### *Saxifraga rotundifolia*

L.



1900

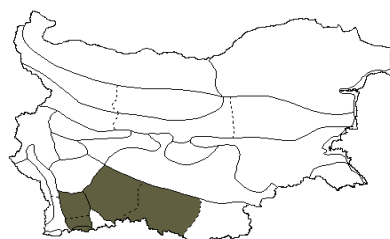


0

subMed

### *Saxifraga stribnyi*

(Velen.) Podp.



2200

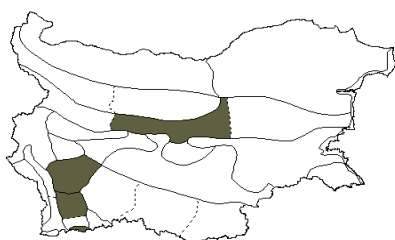


500

Bal

### *Saxifraga sancta*

Griseb.



2900

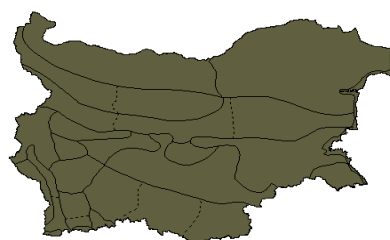


2000

Bal-Anat

### *Saxifraga tridactylites*

L.



1200

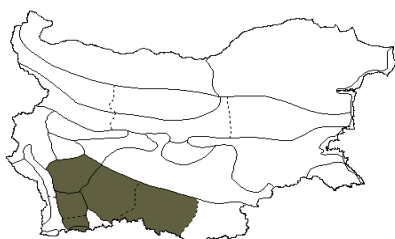


0

subBoreal

### *Saxifraga sempervivum*

C. Koch



1800

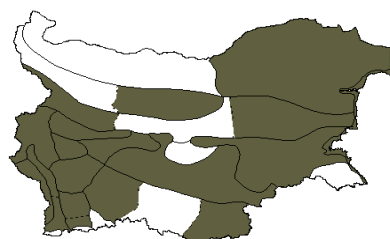


400

Bal-Anat

### *Scabiosa argentea*

L.



1000

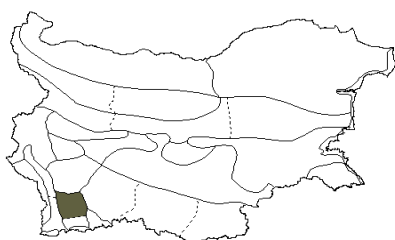


0

Bal-Anat

### *Saxifraga spruneri*

Boiss.



2900

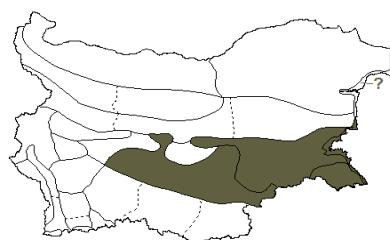


1900

Bal

### *Scabiosa atropurpurea*

L.



1000

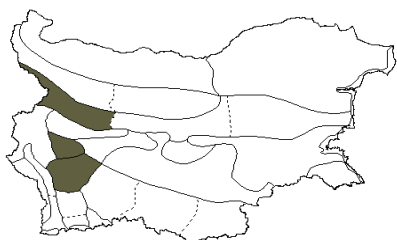


0

Med

### *Scabiosa balcanica*

Velen.



2900

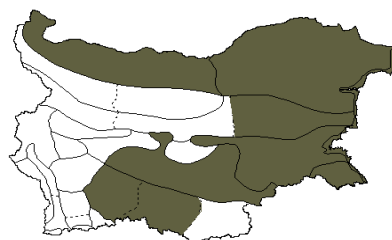


2000

Bal

### *Scabiosa micrantha*

Desf.



1000

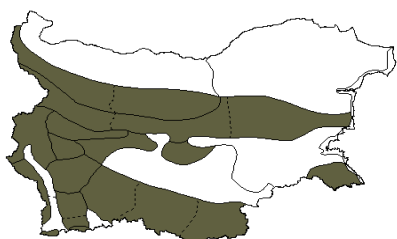


0

Pont-Med

### *Scabiosa columbaria*

L.



2900



1000

Eur-Med

### *Scabiosa ochroleuca*

L.



2900

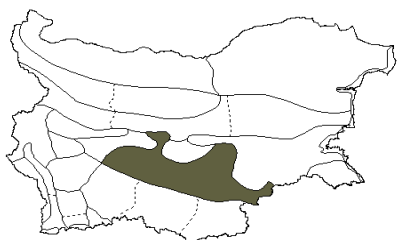


1000

Eur-Sib

### *Scabiosa cosmoides*

Boiss.



1000

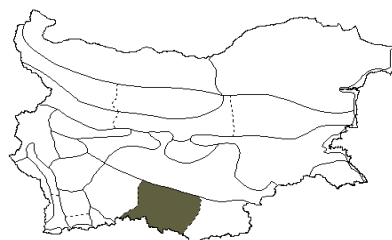


0

Bal-Anat

### *Scabiosa rhodopensis*

Stoj. & Stef.



1500

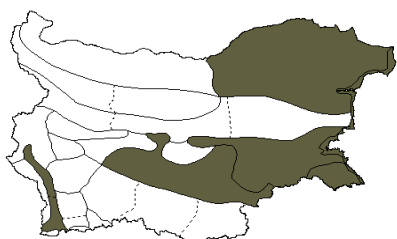


500

Bal

### *Scabiosa hispidula*

Boiss.



1000

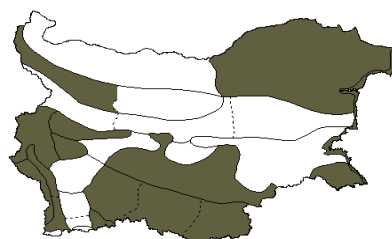


0

Med

### *Scabiosa rotata*

M. Bieb.



1000

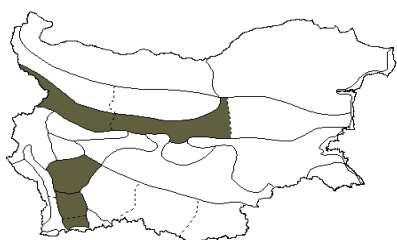


0

Med

### *Scabiosa lucida*

Vill.



2900

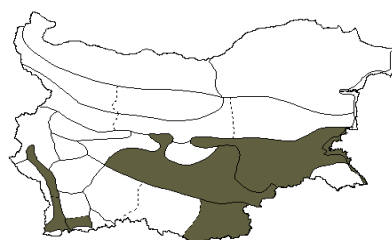


2000

Alp-Carp

### *Scabiosa sicula*

L.



1000



0

Med

### Scabiosa triniifolia

Friv.



2900

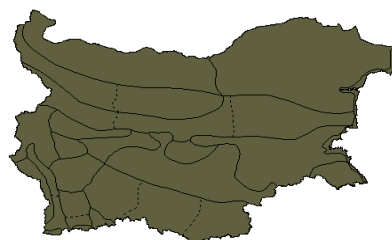


0

Bal

### Schoenoplectus lacustris

(L.) Palla



100

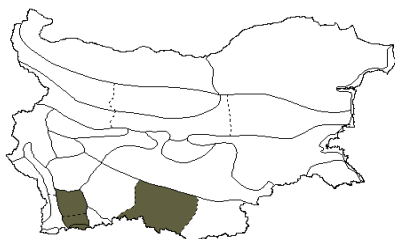


0

Kos

### Scabiosa webbiana

D. Don



2900

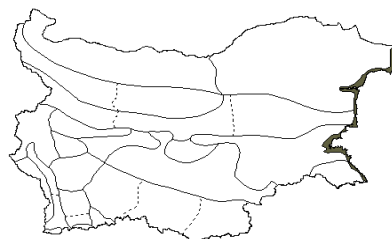


1800

Bal

### Schoenoplectus litoralis

(L.) Palla



100

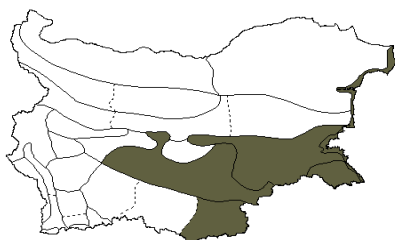


0

Eur-As

### Scandix australis

L.



500

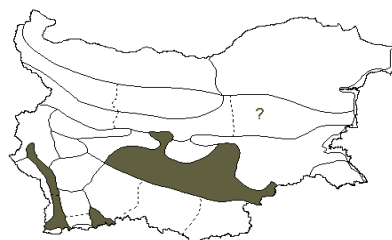


0

Eur-Med

### Schoenoplectus mucronatus

(L.) Palla



500



100

Kos

### Scandix pecten-veneris

L.



900

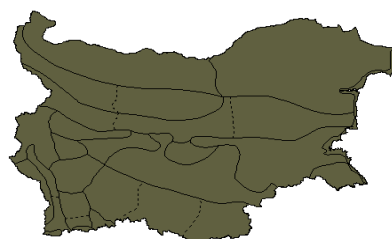


0

Eur-As

### Schoenoplectus tabernemontanii

(C. C. Gmel.) Palla



100

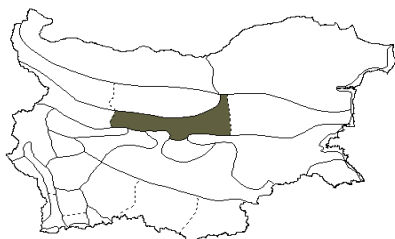


0

Eur-As

### Schivereckia doerfleri

(Wettst.) Bornm.



2900



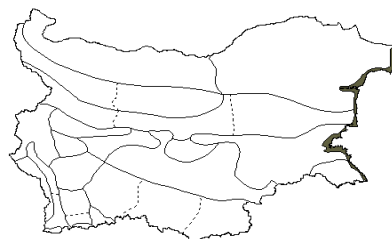
2500

!

Bal

### Schoenoplectus triqueter

(L.) Palla



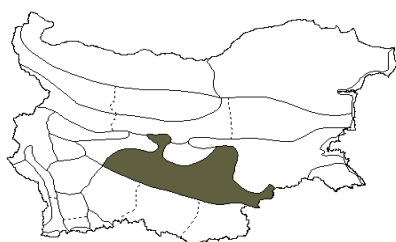
100



0

Boreal

### Schoenus ferrugineus L.



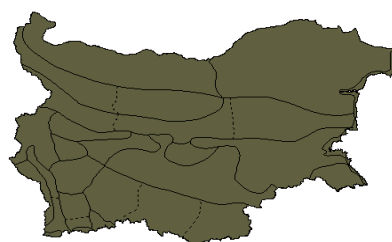
150



0

Eur

### Scirpus sylvaticus L.



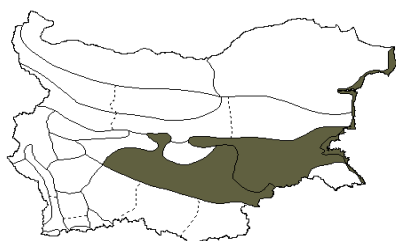
1500



0

subBoreal

### Schoenus nigricans L.



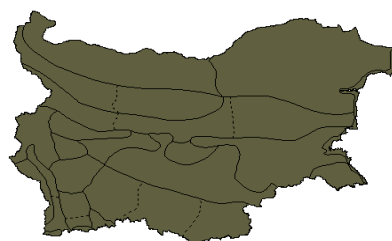
200



0

Eur-CAs

### Scleranthus annuus L.



1600



0

Eur-Sib

### Scilla autumnalis L.



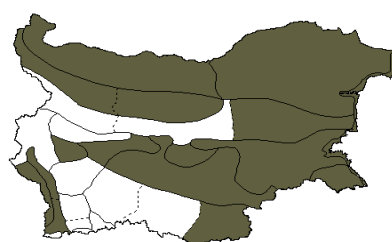
1000



0

Pont-subMed

### Scleranthus collinus Hornung ex Opiz



300



0

subMed

### Scilla bifolia L.



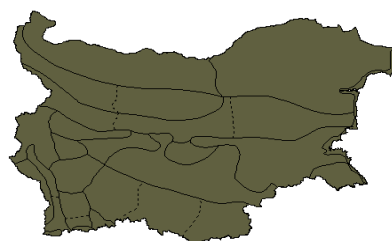
2000



1000

Pont-subMed

### Scleranthus dichotomus Schur



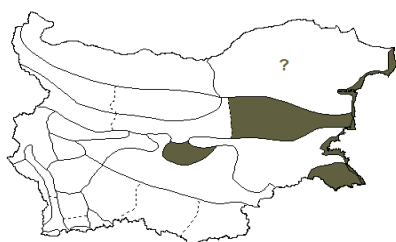
1500



0

subMed

### Scilla bithynica Boiss.



1000

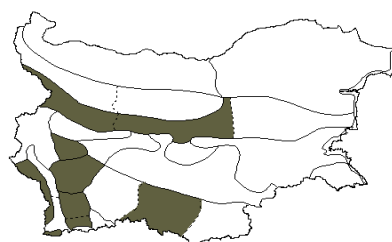


0



Pont

### Scleranthus neglectus Rochel ex Baumg.



2900

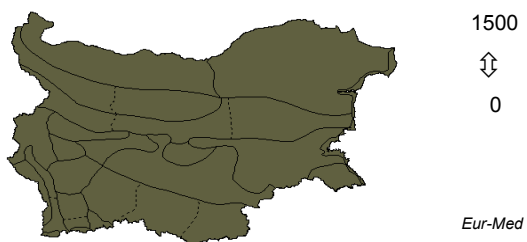


1000

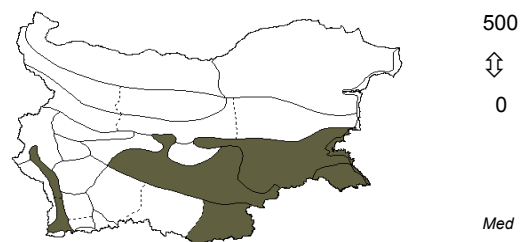
subMed



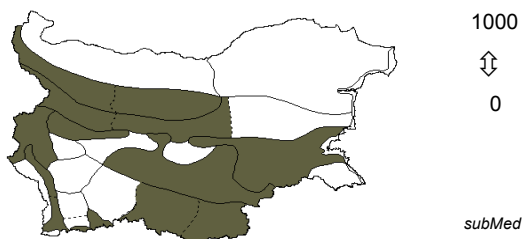
**Scleranthus perennis**  
L.



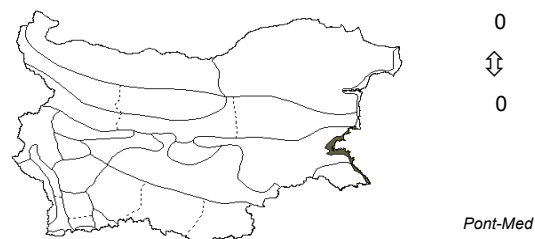
**Scolymus maculatus**  
L.



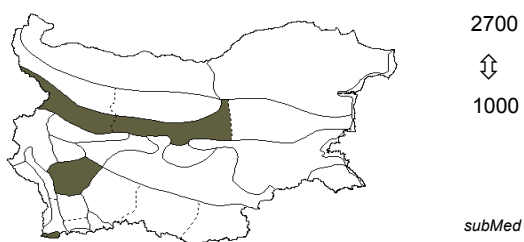
**Scleranthus polycarpus**  
L.



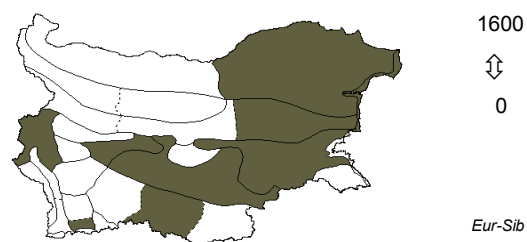
**Scorpiurus subvillosus**  
L.



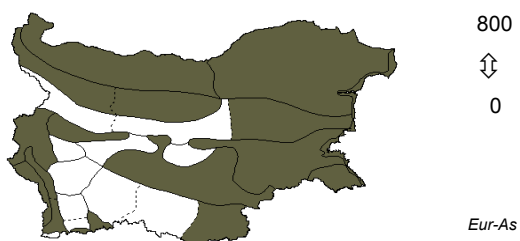
**Scleranthus uncinatus**  
Schur



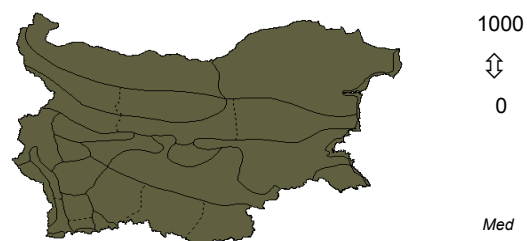
**Scorzonera austriaca**  
Willd.



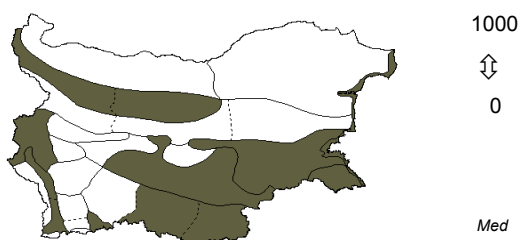
**Sclerochloa dura**  
(L.) P. Beauv.



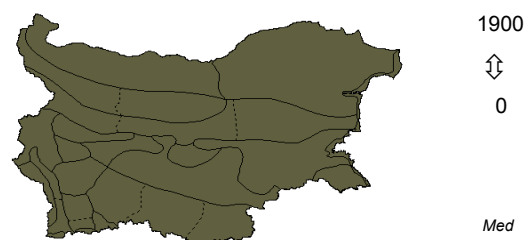
**Scorzonera cana**  
(C. A. Mey.) Hoffm.



**Scolymus hispanicus**  
L.



**Scorzonera hispanica**  
L.



### Scorzonera laciniata

L.



1000

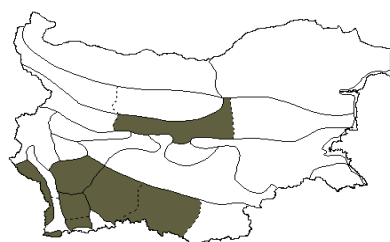


0

Med

### Scrophularia aestivalis

Griseb.



2500

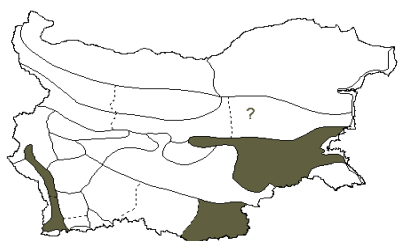


1000

Bal

### Scorzonera lanata

(L.) Hoffm.



1000

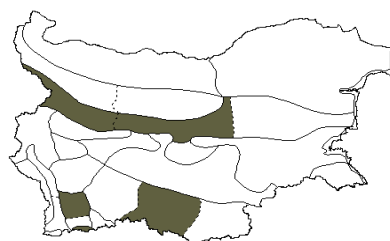


0

Med

### Scrophularia bulgarica

(Stoj.) Peev



2500

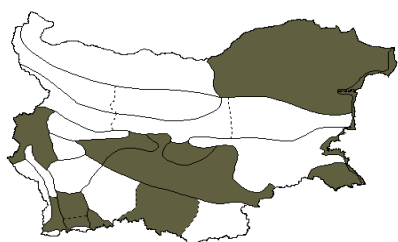


1000

Bul

### Scorzonera mollis

M. Bieb.



1000

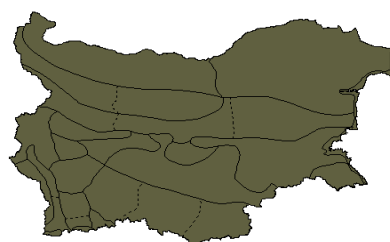


0

Med

### Scrophularia canina

L.



1000

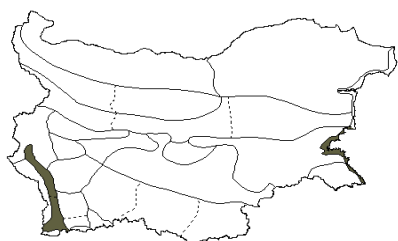


0

Eur-Med

### Scorzonera parviflora

Jacq.



300

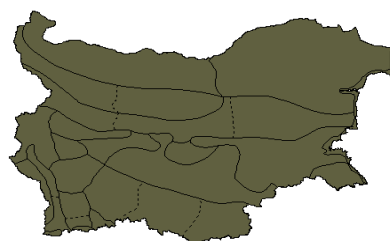


0

Med

### Scrophularia nodosa

L.



1500

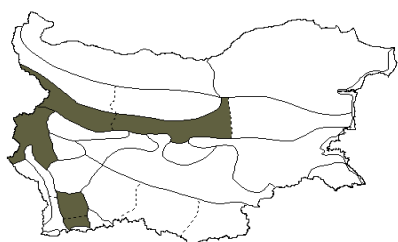


0

subBoreal

### Scorzonera purpurea

L.



2800

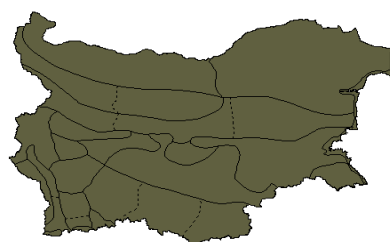


2000

subMed

### Scrophularia scopolii

Hoppe ex Pers.



1800



0

Eur-Med

# *Scrophularia umbrosa*

Dumort.



1000

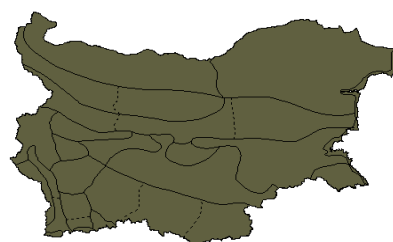


0

Eur-As

# *Scutellaria galericulata*

L.



2000

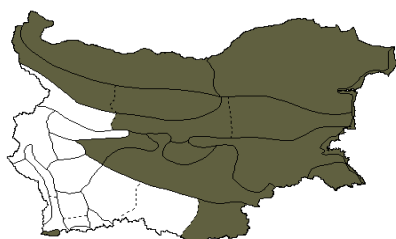


0

Boreal

# *Scutellaria albida*

L.



500

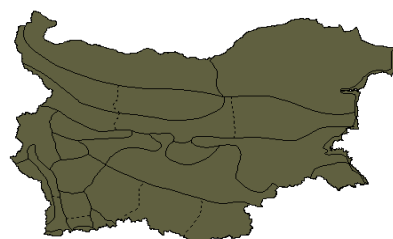


0

subMed

# *Scutellaria hastifolia*

L.



1000

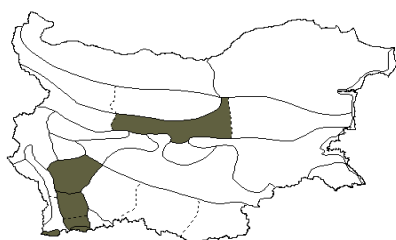


0

Eur-Sib

# *Scutellaria alpina*

L.



2700

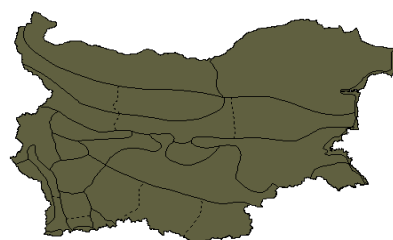


900

Alp-Med

# *Scutellaria orientalis*

L.



1000



0

Pont-Med

# *Scutellaria altissima*

L.



1200

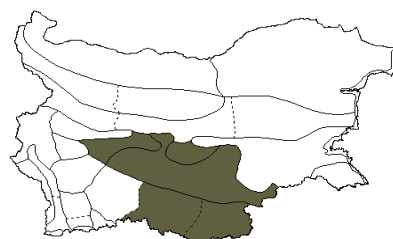


0

Eur

# *Scutellaria velenovskyi*

Rech. f.



500

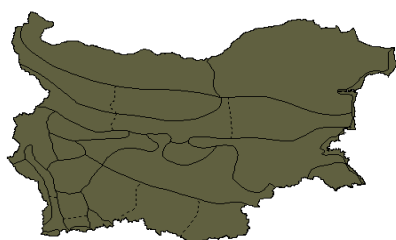


200

Pont-Med

# *Scutellaria columnae*

All.



1500

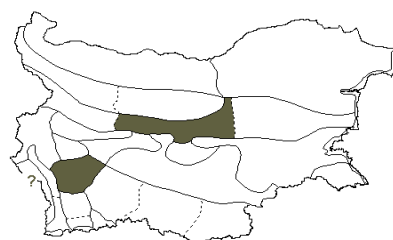


0

subMed

# *Secale montanum*

Guss.



2500

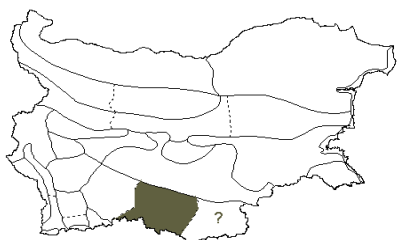


1500

Med

## **Secale rhodopaeum**

Delip.



1500

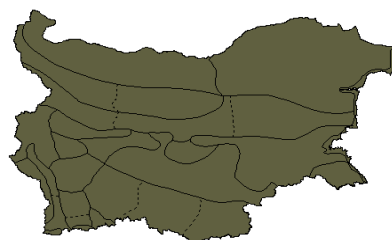


900

Bul

## **Sedum album**

L.



2500

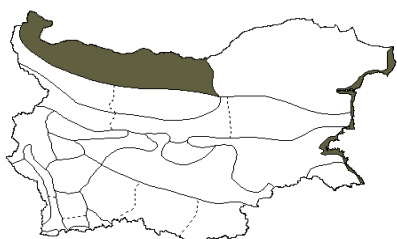


0

subMed

## **Secale sylvestre**

Host



100

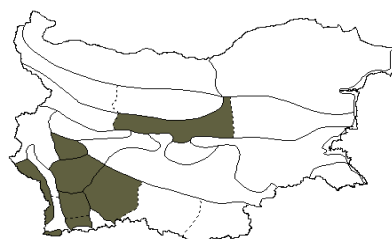


0

Eur-As

## **Sedum alpestre**

Vill.



2500

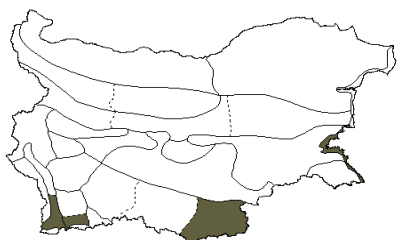


1250

subMed

## **Securigera securidaca**

(L.) Degen & Dörf.



100

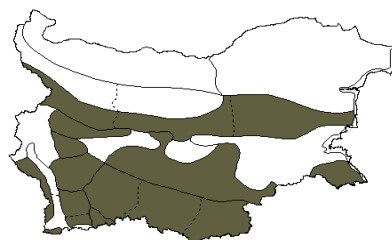


0

Med

## **Sedum annuum**

L.



2200

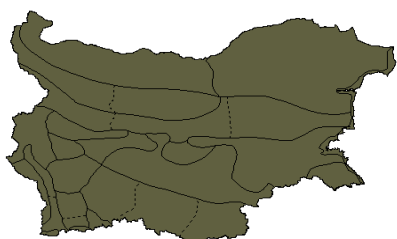


0

Eur-Sib

## **Sedum acre**

L.



2000

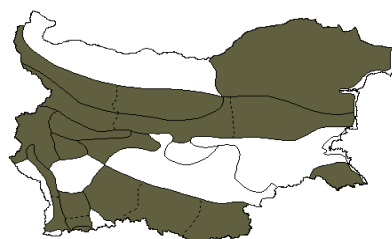


0

Eur-Med

## **Sedum anopetalum**

DC.



1800

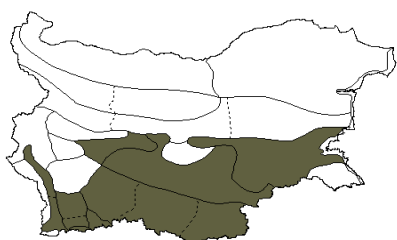


0

subMed

## **Sedum aetnense**

Tineo



400

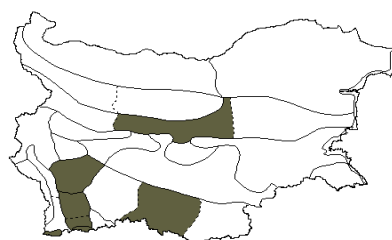


0

Pont-Med

## **Sedum atratum**

L.



2900

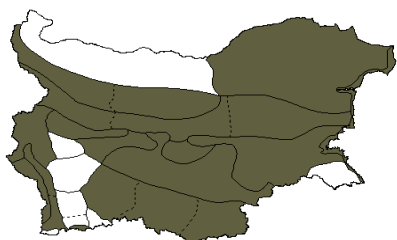


1700

Alp-Carp-Bal

### **Sedum caespitosum**

(Cav.) DC.



800

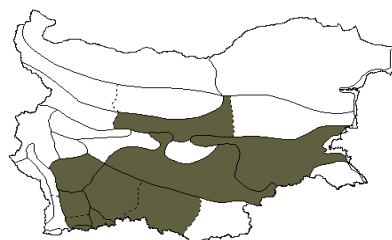


0

Med

### **Sedum kostovii**

Stef.



2000



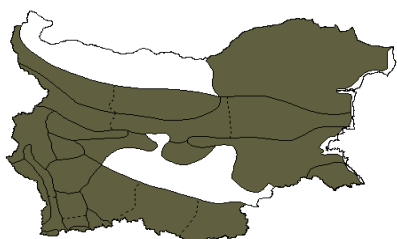
0



Bul

### **Sedum cepaea**

L.



2000

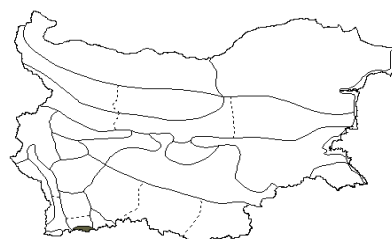


800

subMed

### **Sedum magellense**

Ten.



2000



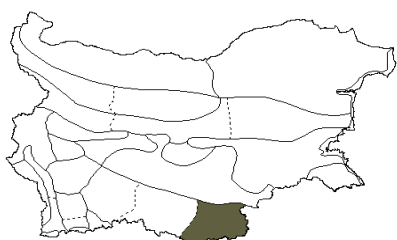
1500



Med

### **Sedum confertiflorum**

Boiss.



300

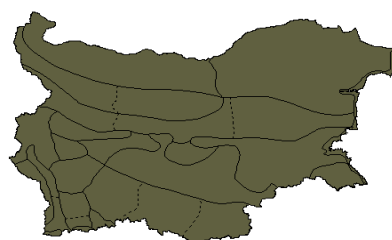


300

Bal-Anat

### **Sedum maximum**

(L.) Suter



1500

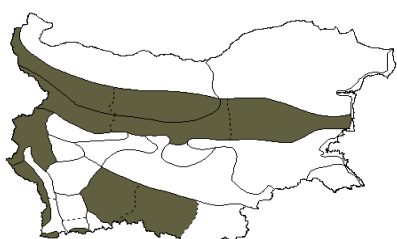


0

subBoreal

### **Sedum dasyphyllum**

L.



1200

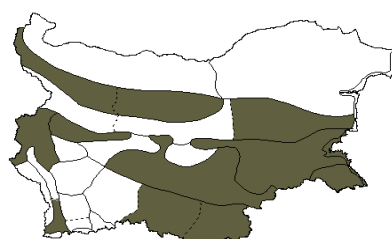


0

subMed

### **Sedum pallidum**

M. Bieb.



1000



0

Med

### **Sedum hispanicum**

L.



1500

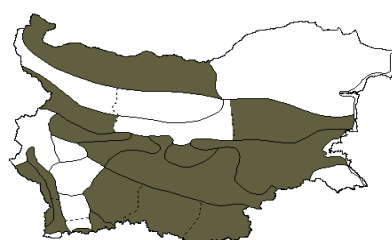


0

Eur-Med

### **Sedum rubens**

L.



800

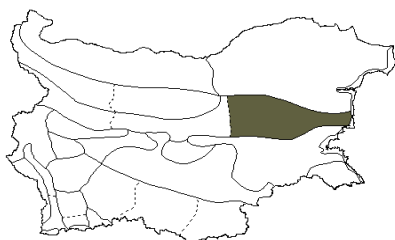


0

Eur-Med

## **Sedum sexangulare**

L.



500

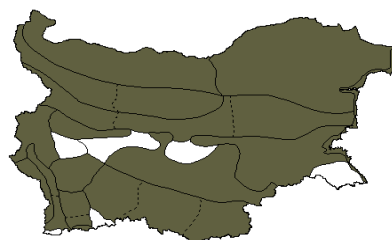


500

Eur

## **Sedum urvillei**

DC.



1000



0

Eur

## **Sedum stefco**

Stef.



1000



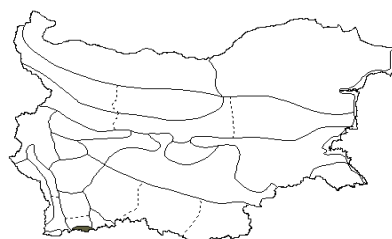
0



Bal

## **Sedum zollikoferi**

F. Hernm. & Stef.



1700



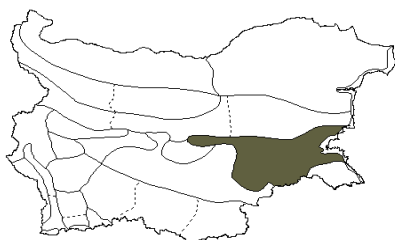
800



Bul

## **Sedum subulatum**

(C.A. Mey) Boiss.



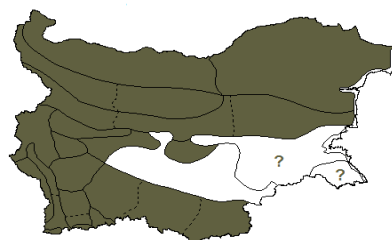
500



0

## **Selaginella helvetica**

(L.) Spring



2400

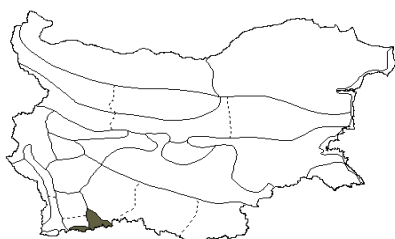


400

subBoreal

## **Sedum tenuifolium**

(Sm.) Strobl



800

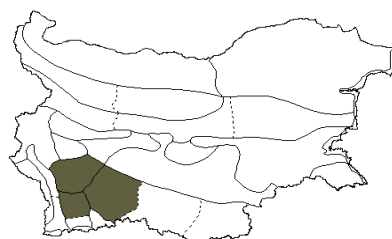


0

subMed

## **Selaginella selaginoides**

(L.) Link



2800

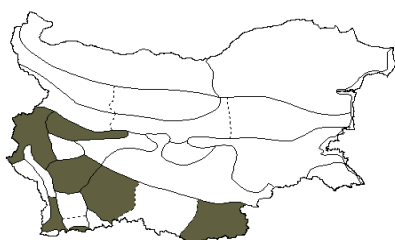


2200

Boreal

## **Sedum tuberiferum**

Stoj. & Stef.



1500

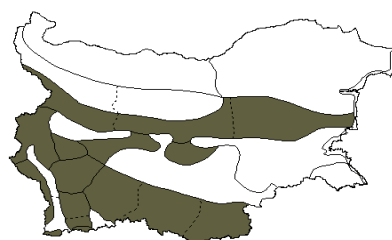


0

Bal

## **Selinum carvifolia**

(L.) L.



1600

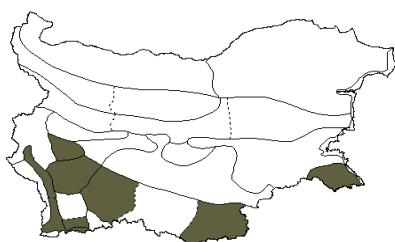


1000

Eur-Sib

### **Sempervivum ciliosum**

Craib



1000



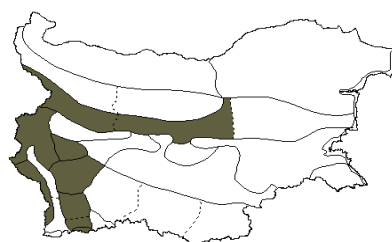
0



Bal

### **Senecio abrotanifolius**

L.



2800

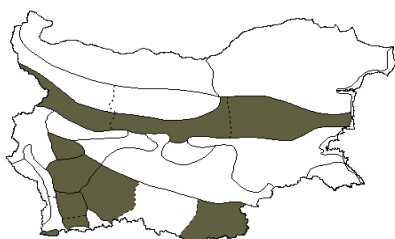


1500

Carp-Bal

### **Sempervivum erythraeum**

Velen.



2700

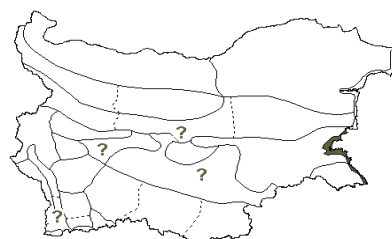


1000

subBal

### **Senecio aquaticus**

Hill



0

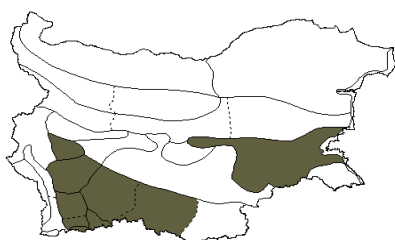


0

Eur

### **Sempervivum leucanthum**

Pančić



2000

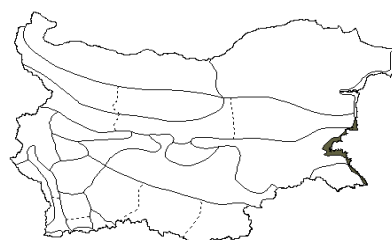


800

Bul

### **Senecio cineraria**

DC.



100

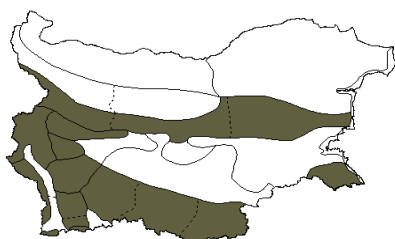


0

Med

### **Sempervivum marmoreum**

Griseb.



2700

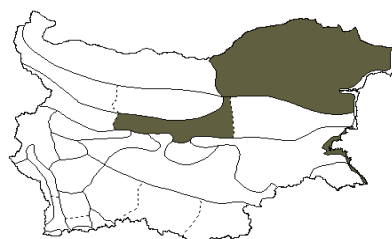


300

subMed

### **Senecio doria**

L.



2000

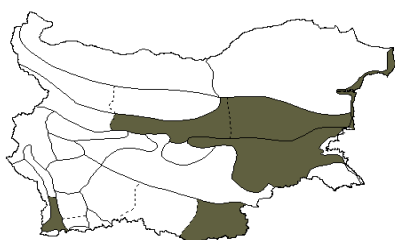


0

Eur

### **Sempervivum zeleborii**

Schott



700

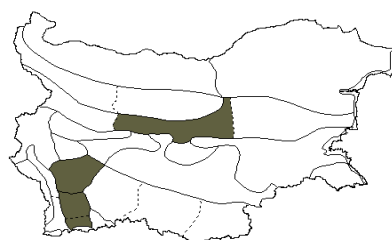


0

subMed

### **Senecio doronicum**

(L.) L.



2700

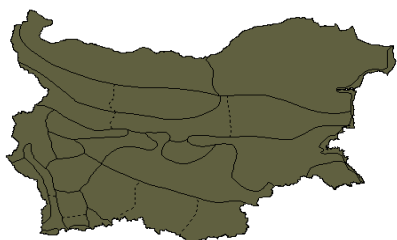


1800

Carp-Bal

### Senecio erucifolius

L.



2900

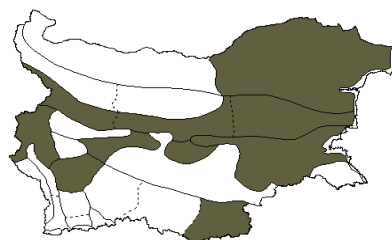


200

Eur-As

### Senecio othonnae

M. Bieb.



1600

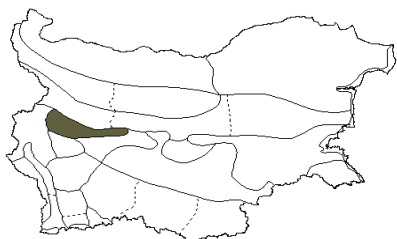


1000

Bal-Cauc

### Senecio inaequidens

DC.



500

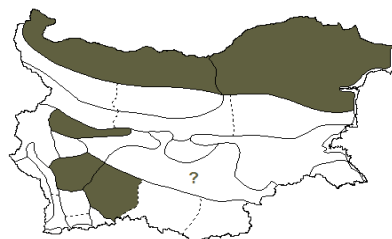


0

Adv (SAm)

### Senecio paludosus

L.



1000



0

Eur

### Senecio jacobaea

L.



2900

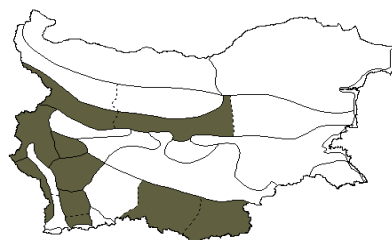


500

Eur-Med

### Senecio pancicii

Degen



2600

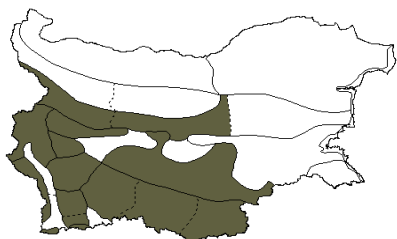


1800

Bal

### Senecio macedonicus

Griseb.



2500

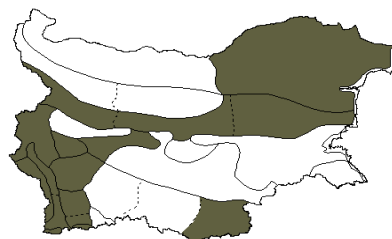


600

Bal

### Senecio papposus

(Rchb.) Less.



2500

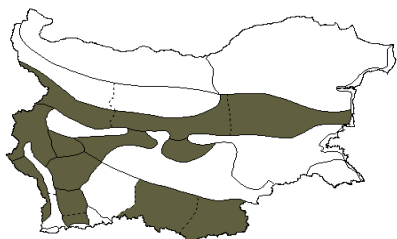


0

Carp-Bal

### Senecio nemorensis

L.



2800

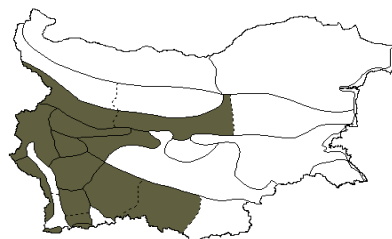


1500

Boreal

### Senecio rupestris

Waldst. & Kit.



2500



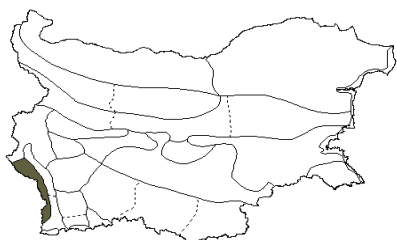
1500

subMed



# **Senecio subalpinus**

Koch



2000



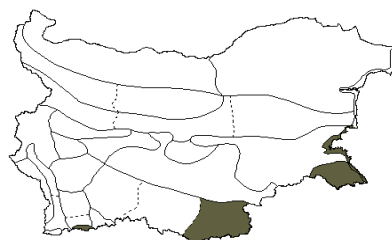
1700



Carp-Bal

# **Serapias vomeracea**

(Burm.) Briq.



400



0



Med

# **Senecio sylvaticus**

L.



1000

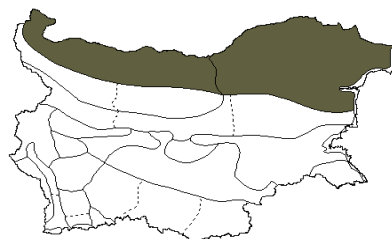


0

Eur-Sib

# **Serratula bulgarica**

Acht. & Stoj.



1000



0



Carp-Bal

# **Senecio vernalis**

Waldst. & Kit.



1000

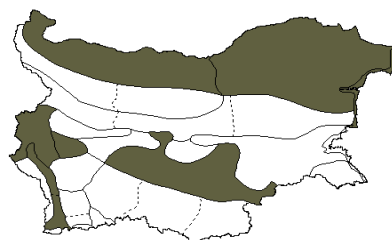


0

Eur-Med

# **Serratula radiata**

(Waldst. & Kit.) M. Bieb.



1000



0

SPont

# **Senecio viscosus**

L.



2000

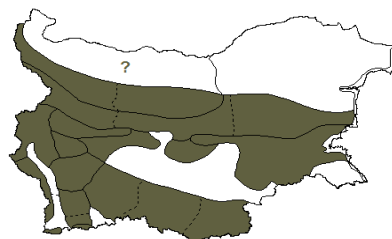


1000

Eur-Med

# **Serratula tinctoria**

L.



1500



500

Eur-Sib

# **Senecio vulgaris**

L.



1000

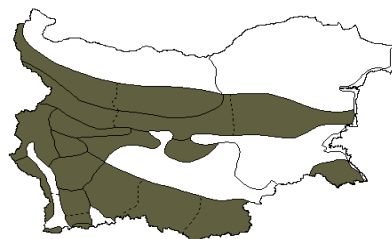


0

Eur-As

# **Seseli annuum**

L.



1700

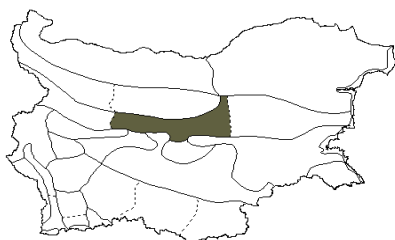


900

Eur-As

### **Seseli bulgaricum**

P. W. Ball



1800



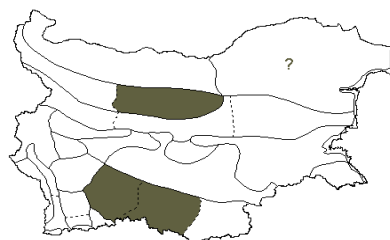
1000



Bul

### **Seseli rhodopaeum**

Velen.



1800

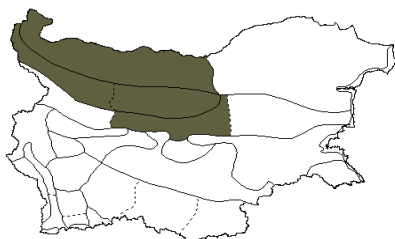


200

Bul

### **Seseli degenii**

Urum.



800



600



Bul

### **Seseli rigidum**

Waldst. & Kit.



2500

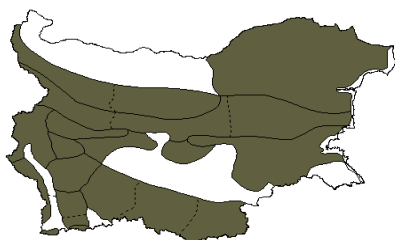


0

subMed

### **Seseli libanotis**

(L.) Koch



1600

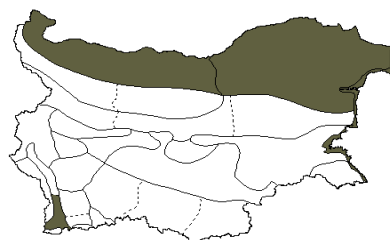


500

Eur-Sib

### **Seseli tortuosum**

L.



500

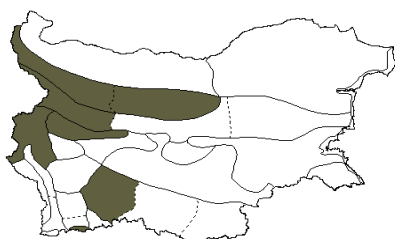


0

subMed

### **Seseli pallasii**

Besser



1000

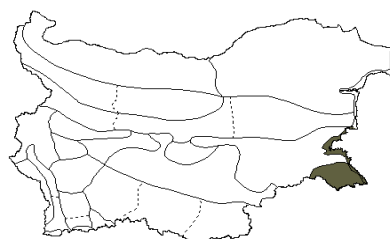


0

Eur

### **Sesleria alba**

Sm.



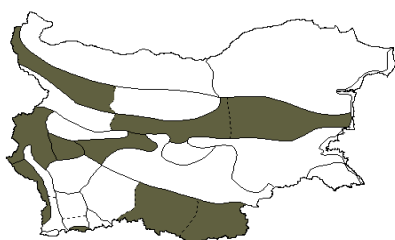
100



0

### **Seseli peucedanoides**

(M. Bieb.) Koso-Pol.



1700

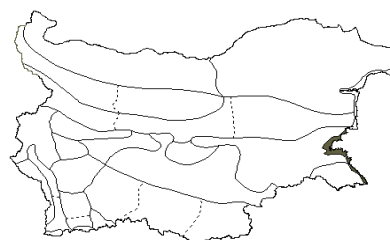


900

Med-OT

### **Sesleria argentea**

(Savi) Savi



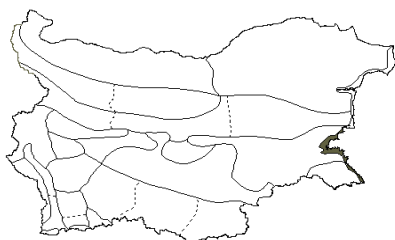
200



0

### *Sesleria autumnalis*

(Scop.) F. W. Schultz



200

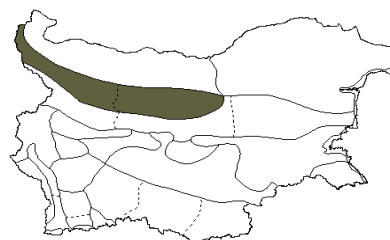


0

SEEur

### *Sesleria filifolia*

Hoppe



800

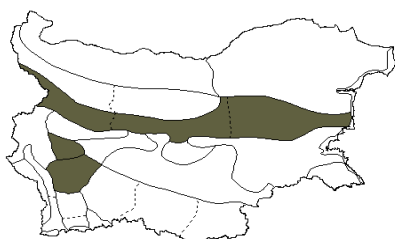


500

Bal

### *Sesleria bielzii*

Schur



2900

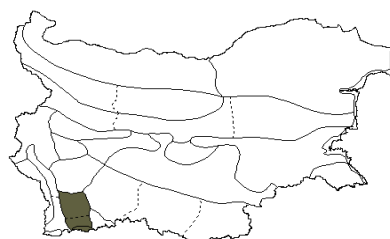


1000

Carp-Bal

### *Sesleria korabensis*

(Kumm. & Jav.) Deyl



2900

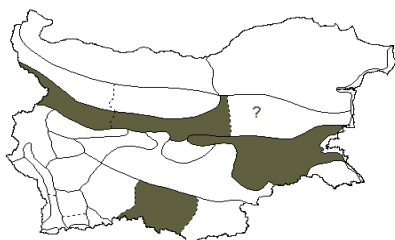


1500

Bal

### *Sesleria caerulea*

(L.) Ard.



1000

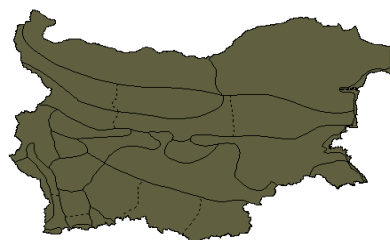


0

Eur

### *Sesleria latifolia*

(Adamović) Degen



1500

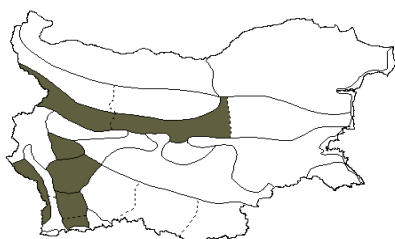


0

Bal

### *Sesleria coerulans*

Friv.



1000

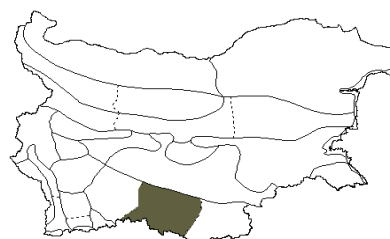


0

Carp-Bal

### *Sesleria rhodopaea*

Tashev & Dimitrov



1500

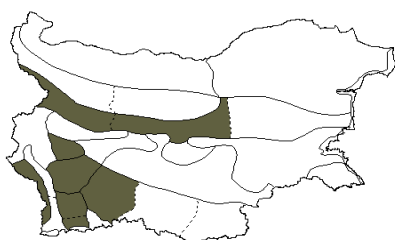


1000

Bul

### *Sesleria comosa*

Velen.



2900

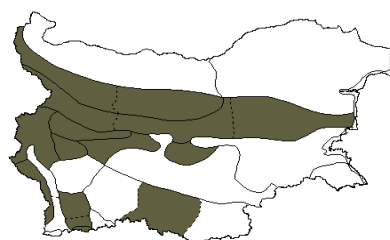


1000

Bal

### *Sesleria rigida*

Heuffel ex Rchb.



1500

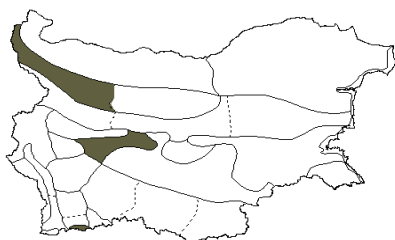


0

Carp-Bal

### *Sesleria robusta*

Schott, Nym. & Kotschi



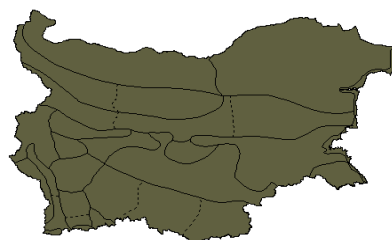
2000



1000

### *Setaria verticillata*

(L.) P. Beauv.



800

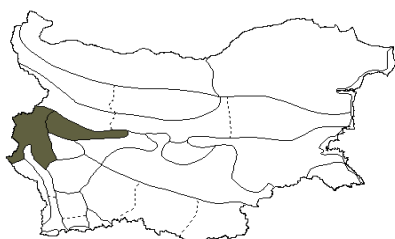


0

Kos

### *Sesleria tenuifolia*

Schrad.



1000

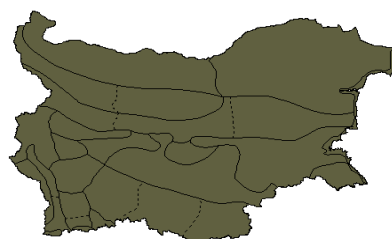


0

NEMed

### *Setaria viridis*

(L.) P. Beauv.



800

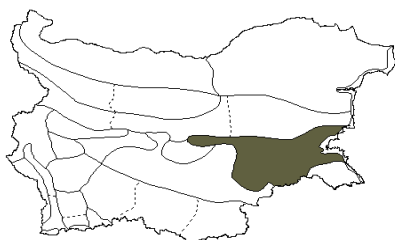


0

Boreal

### *Sesleria uliginosa*

Opiz



400

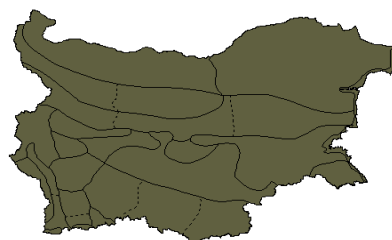


200

CEur

### *Sherardia arvensis*

L.



1500



0

Med

### *Setaria italica*

(L.) P. Beauv.



400

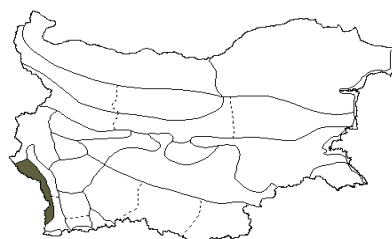


0

subBoreal

### *Sibbaldia parviflora*

Willd.



2000



2000



Anat-Bal

### *Setaria pumila*

(Poir.) Schult.



800

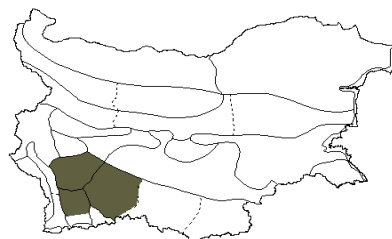


0

Kos

### *Sibbaldia procumbens*

L.



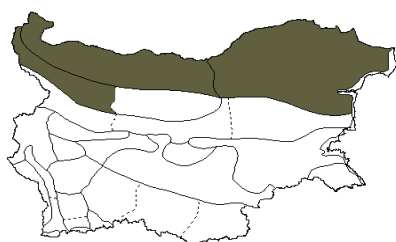
2800



2000

Boreal

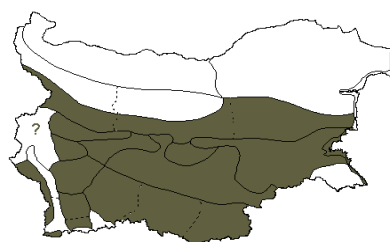
**Sicyos angulatus**  
L.



400  
⇕  
0

Adv (NAm)

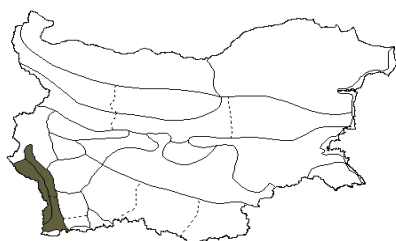
**Sieglingia decumbens**  
(L.) Bernh.



1500  
⇕  
0

Eur-Med

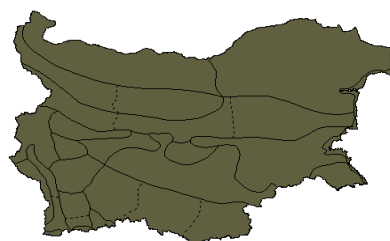
**Sideritis lanata**  
L.



500  
⇕  
200

Med

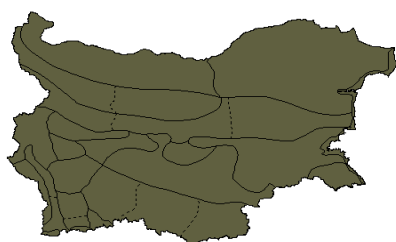
**Silaum silaus**  
(L.) Schinz & Thell.



1800  
⇕  
800

Eur

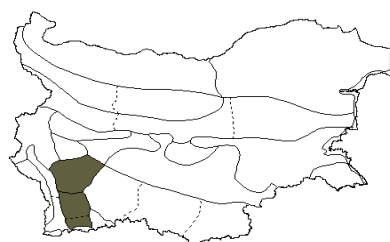
**Sideritis montana**  
L.



1500  
⇕  
0

subMed

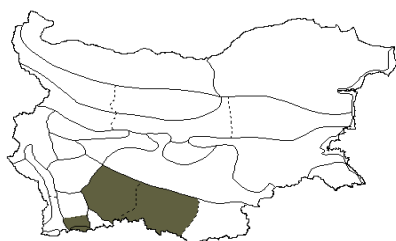
**Silene acaulis**  
(L.) Jacq.



2900  
⇕  
2200

Arct-Alp

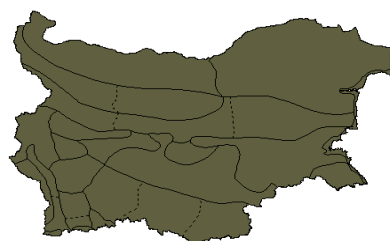
**Sideritis scardica**  
Griseb.



2000  
⇕  
1000

Bal

**Silene alba**  
(Mill.) E. Krause



1500  
⇕  
0

Eur-Sib

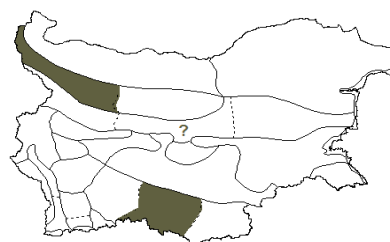
**Sideritis syriaca**  
L.



400  
⇕  
0

!  
Med

**Silene alpina**  
(Lam.) E. Thomas



1000  
⇕  
800

!

### **Silene armeria**

L.



1500

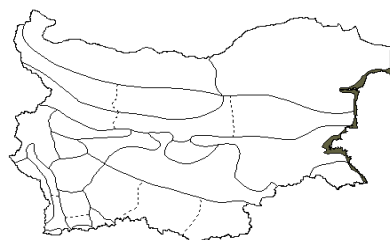


300

Eur

### **Silene caliacrae**

Jordanov & Panov



50



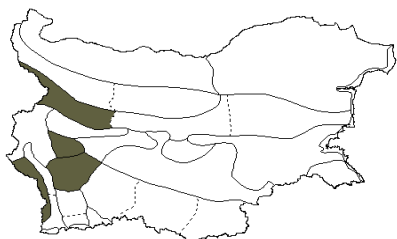
0



Bul

### **Silene asterias**

Griseb.



2900

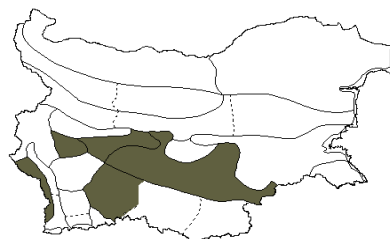


1000

Bal

### **Silene chlorantha**

(Willd.) Ehrh.



700

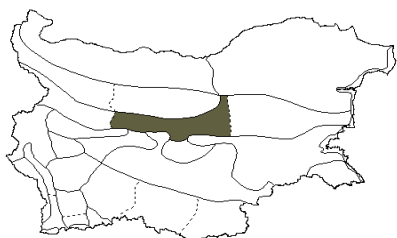


0

Eur-Sib

### **Silene balcanica**

(Urum.) Hayek



2900

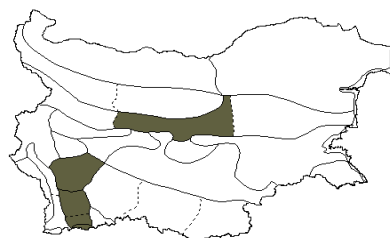


1500

Bal

### **Silene ciliata**

Pourret



2400

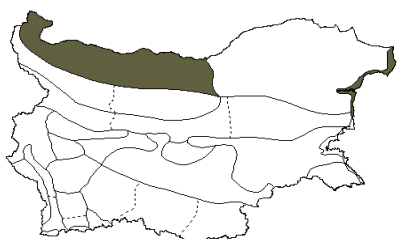


1800

Alp-Med

### **Silene borysthena**

(Gruner) Walters



200

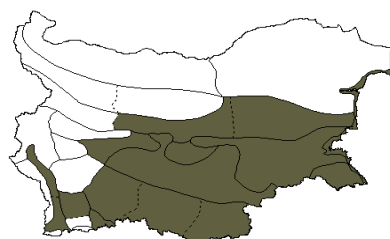


0

Pont-Sib

### **Silene compacta**

Fisch.



800



0

Med

### **Silene bupleuroides**

Chater & Walters



2400

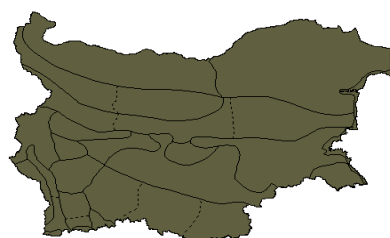


0

Pont-subMed

### **Silene conica**

L.



1100

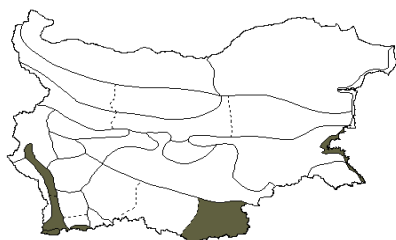


0

subMed-As

### *Silene cretica*

L.



500



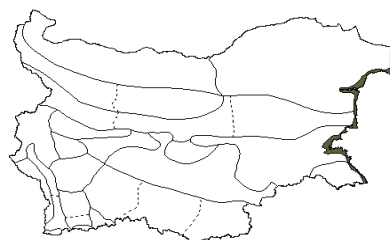
0



Med

### *Silene euxina*

(Rupr.) Hand.-Mazz.



0



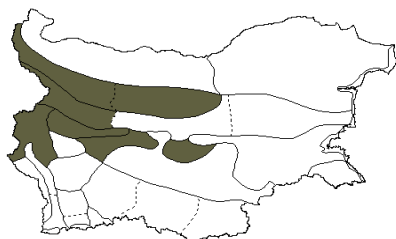
0



Pont

### *Silene csereii*

Baumg.



1100

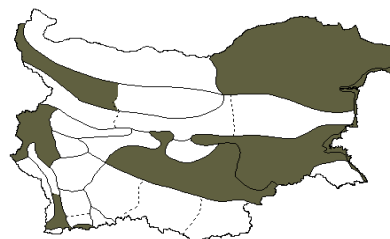


300

Bal-Dac

### *Silene exaltata*

Friv.



500

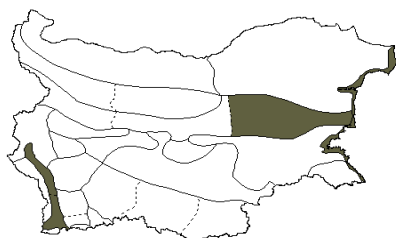


0

Bal-Pont

### *Silene densiflora*

D'Urv.



500

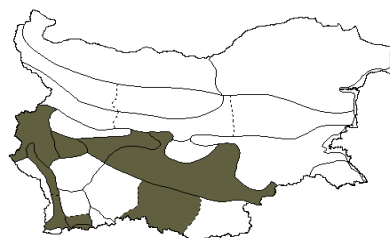


0

subMed

### *Silene fabarioides*

Hauskn.



2200



500

Bal

### *Silene dichotoma*

Ehrh.



700

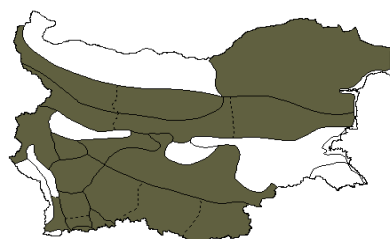


0

Eur-Med

### *Silene flavesens*

Waldst. & Kit.



1600

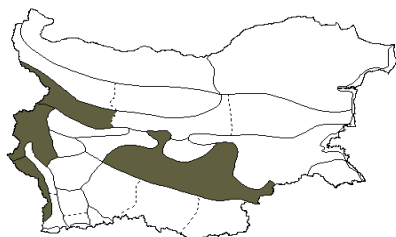


0

Carp-Bal

### *Silene dioica*

(L.) Clairv.



1000

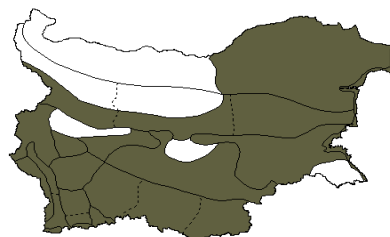


0

Eur-As

### *Silene frivaldszkyana*

Hampe



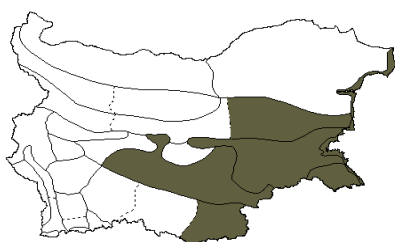
1100



0

Bal

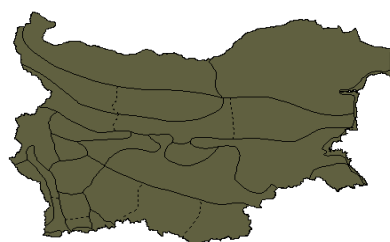
**Silene gallica**  
L.



600  
⇕  
0

Kos

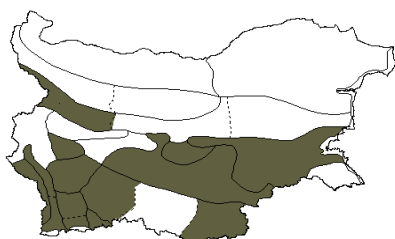
**Silene italica**  
(L.) Pers.



1600  
⇕  
0

Eur-Med

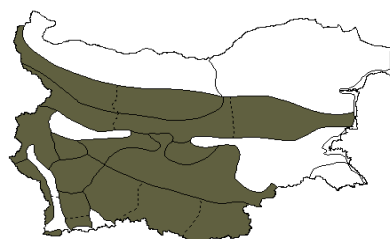
**Silene gallinyi**  
Rechb.



1200  
⇕  
0

subMed

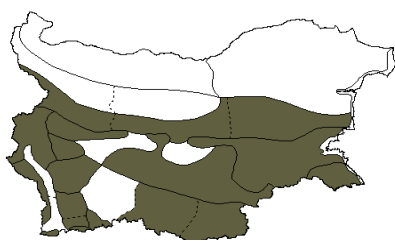
**Silene lerchenfeldiana**  
Baumg.



2600  
⇕  
200

Carp-Bal

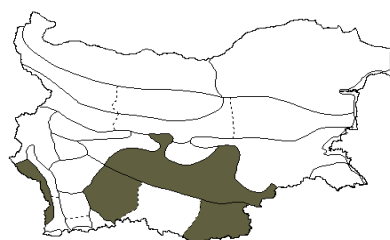
**Silene gigantea**  
L.



1300  
⇕  
0

Bal-Anat

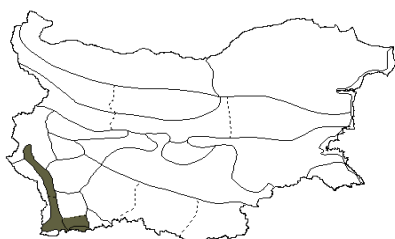
**Silene lydia**  
Boiss.



1000  
⇕  
500

!  
EMed

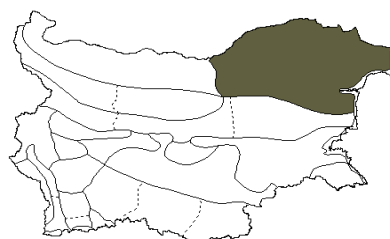
**Silene graeca**  
Boiss. & Spruner



800  
⇕  
0

!  
Bal

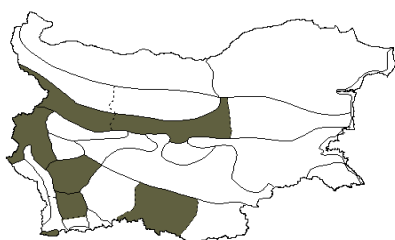
**Silene moldavica**  
(Klokov) Šourkova



100  
⇕  
0

Pont-Bal

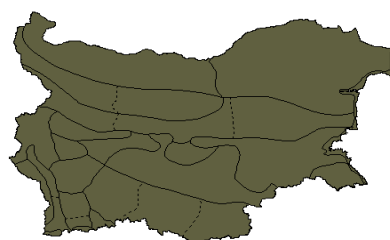
**Silene heuffelii**  
Sóo



1500  
⇕  
0

Bal-Dac

**Silene noctiflora**  
L.



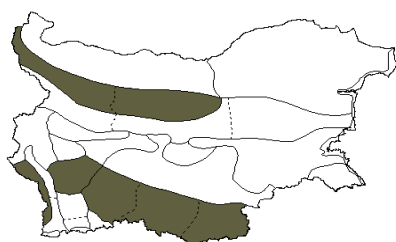
1200  
⇕  
0

Eur-Sib



### *Silene nutans*

L.



1500

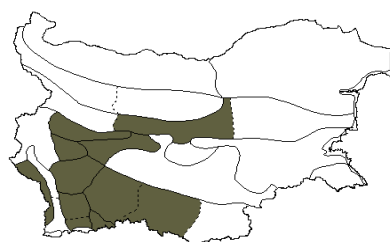


0

Eur-As

### *Silene roemerii*

Friv.



2700

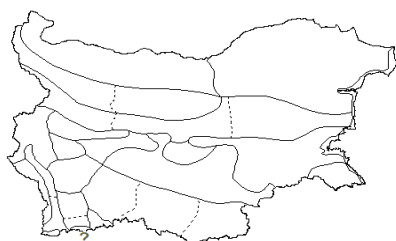


300

Bal-Ap

### *Silene orbelica*

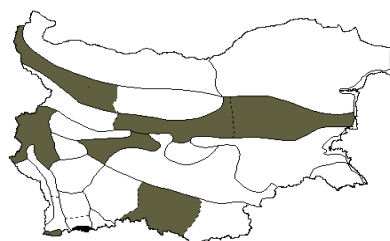
Greuter



Bal

### *Silene saxifraga*

L.



2900



1000

Alp-Med

### *Silene otites*

(L.) Wibel



1000

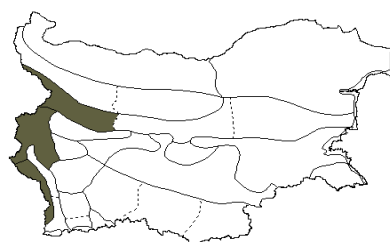


0

Eur-Med

### *Silene sendtneri*

Boiss.



1500

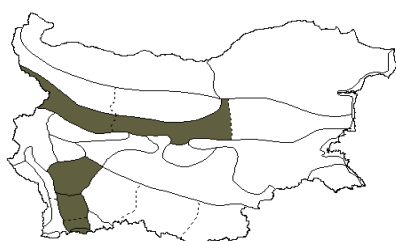


0

Bal

### *Silene pusilla*

Waldst. & Kit.



2600

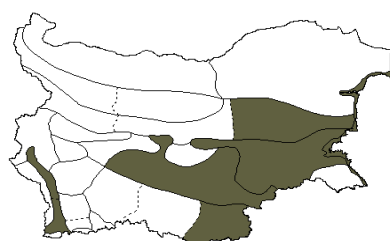


1300

Alp-Med

### *Silene skorpilii*

Velen.



600

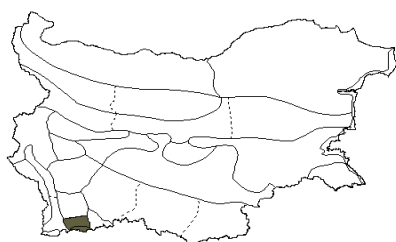


0

Bal

### *Silene radicata*

Boiss. & Heldr.



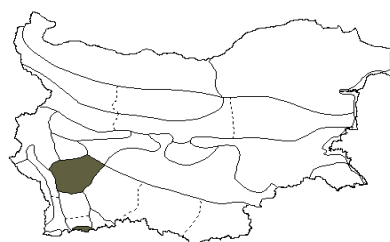
1800



1800

### *Silene stojanovii*

Panov



2900

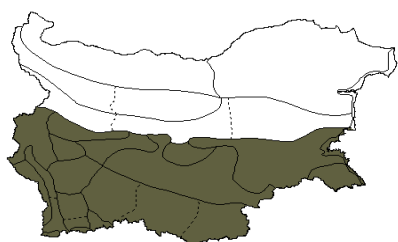


1000

Bul

### *Silene subconica*

Friv.



1400

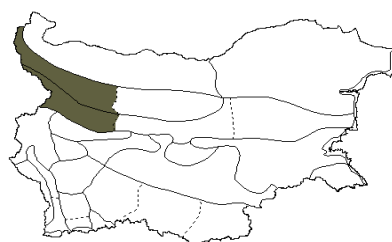


0

subMed

### *Silene velcevii*

Jordanov & Panov



400



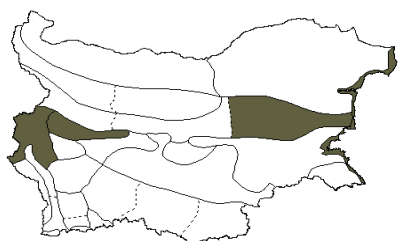
200



Bul

### *Silene supina*

M. Bieb.



1200

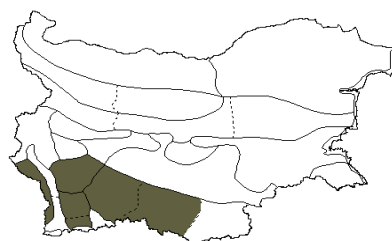


0

Pont-Med

### *Silene velenovskyana*

Jordanov & Panov



2900

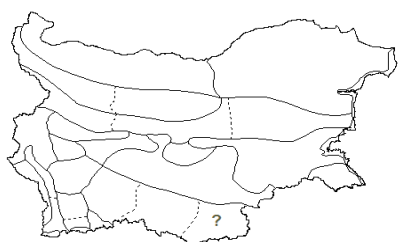


1000

Bal

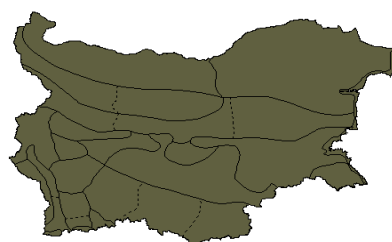
### *Silene tenuiflora*

Guss.



### *Silene viridiflora*

L.



2000

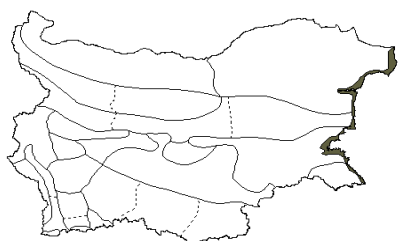


0

Med

### *Silene thymifolia*

Sm.



50

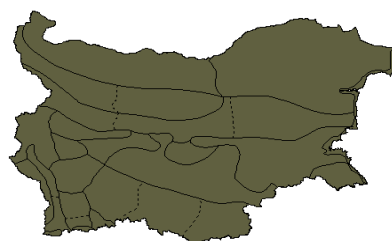


0

WPont

### *Silene vulgaris*

(Moench) Garcke



2600

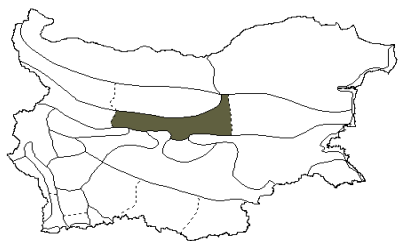


0

Eur-As

### *Silene trojanensis*

(Velen.) Jordanov & Panov



2300

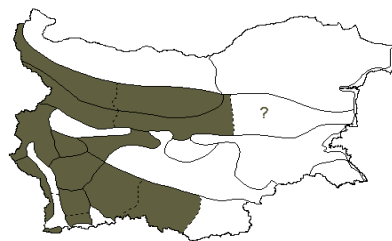


1000

Bul

### *Silene waldsteinii*

Griseb.



2400

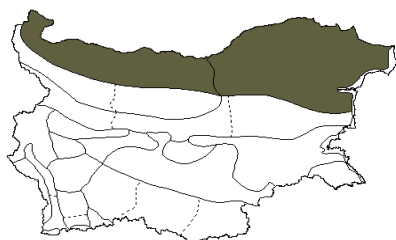


600

Bal

### **Silene wolgensis**

(Hornem.) Otth



500

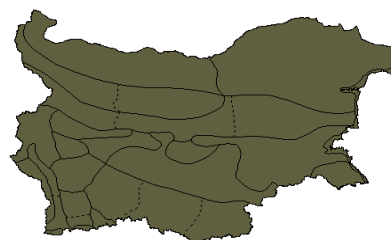


0

Pont

### **Sisymbrium altissimum**

L.



1000

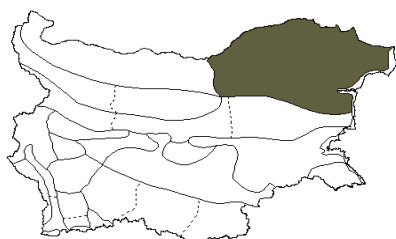


0

Pont-subMed

### **Silphium perfoliatum**

L.



200

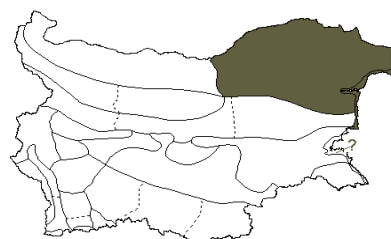


0

Adv (NAme)

### **Sisymbrium irio**

L.



300



0

subBoreal

### **Silybum marianum**

(L.) Gaertn.



1000

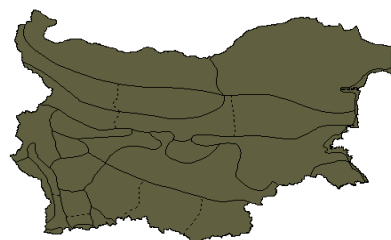


0

Med

### **Sisymbrium loeselii**

L.



1000



0

Eur-As

### **Sinapis arvensis**

L.



1200

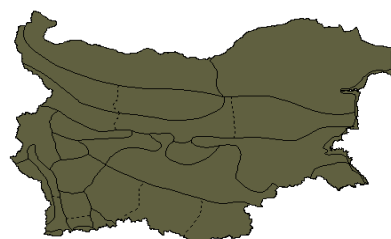


0

Med

### **Sisymbrium officinale**

(L.) Scop.



1100

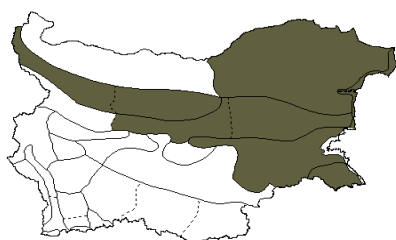


0

Eur-Sib

### **Sison amomum**

L.



600

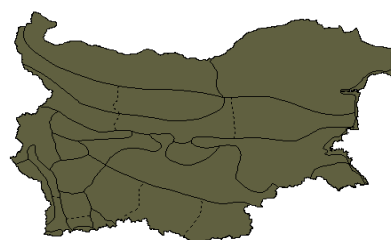


0

Eur-Med

### **Sisymbrium orientale**

L.



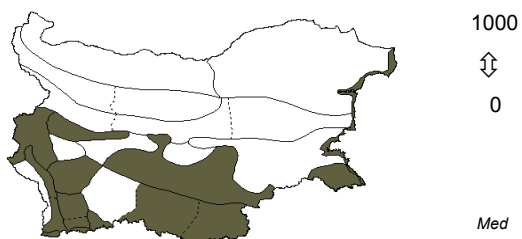
1000



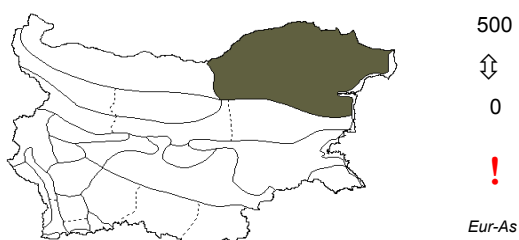
0

Eur-As

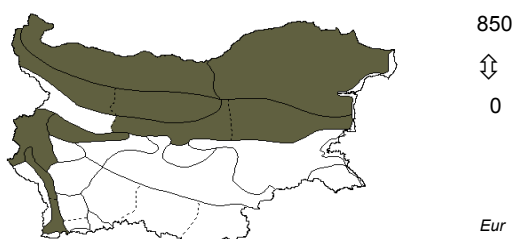
**Sisymbrium polyceratum**  
L.



**Sisymbrium polymorphum**  
(Murr.) Roth



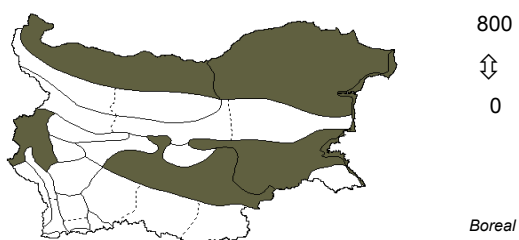
**Sisymbrium strictissimum**  
L.



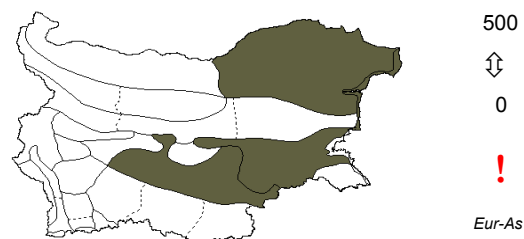
**Sisyrinchium montanum**  
Greene



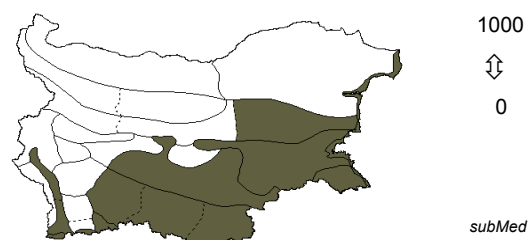
**Sium latifolium**  
L.



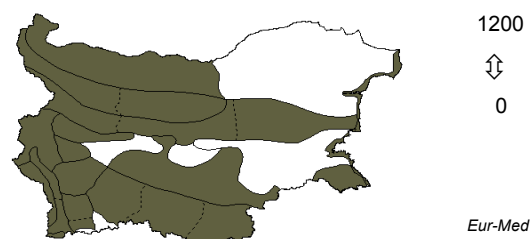
**Sium sisarum**  
L.



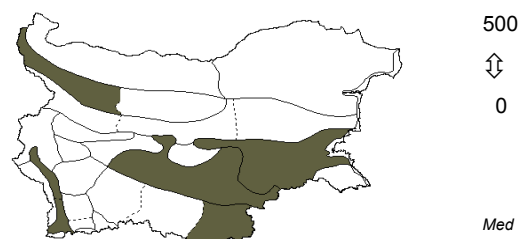
**Smilax excelsa**  
L.



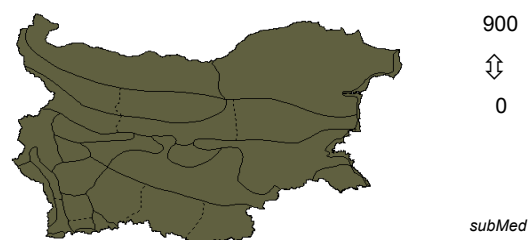
**Smyrniurn perfoliatum**  
L.



**Smyrniurn rotundifolium**  
Mill.

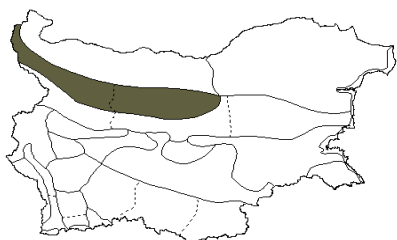


**Solanum alatum**  
Moench



## **Solanum cornutum**

Lam.



300



0

Adv (NAm)

## **Solanum schultesii**

Opiz



800



0

Pont

## **Solanum dulcamara**

L.



900

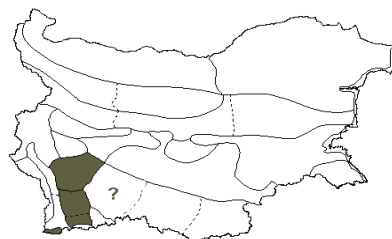


0

Eur-As

## **Soldanella chrysostricta**

Kress



2700



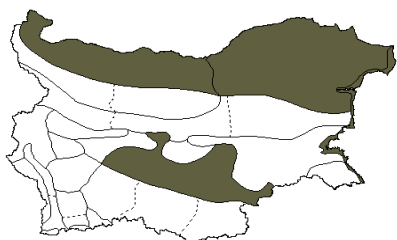
1500



Carp-Bal

## **Solanum heterodoxum**

Dunal



300

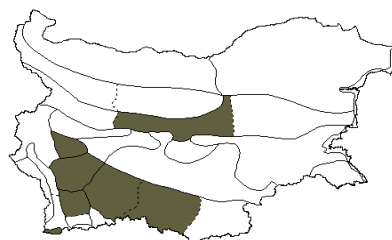


0

Adv (NAm)

## **Soldanella pindicola**

Hauskn.



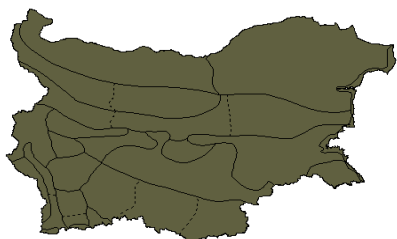
2000



1500

## **Solanum luteum**

Mill.



1000

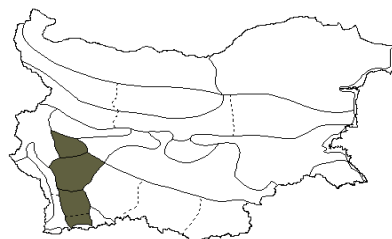


0

subMed

## **Soldanella pusilla**

Baumg.



2900



2200

Alp-Carp-Bal

## **Solanum nigrum**

L.



1000

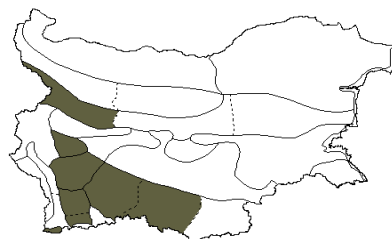


0

Kos

## **Soldanella rhodopaea**

F. K. Mey.



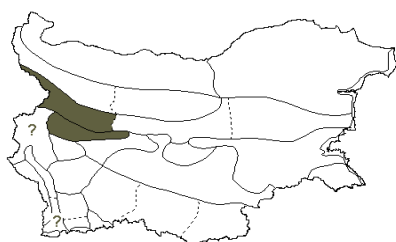
2900



1400

Bal

### **Solidago canadensis** L.



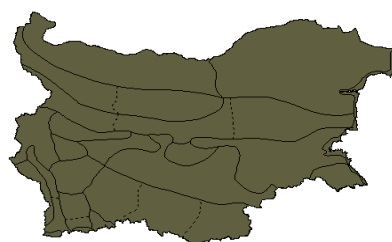
500



0

Adv

### **Sonchus oleraceus** L.



1000



0

Kos

### **Solidago gigantea** Aiton



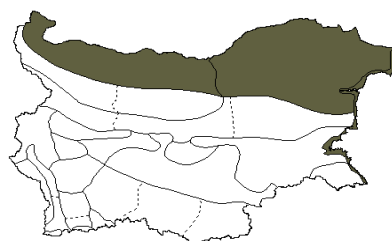
1000



0

Adv (NAm)

### **Sonchus palustris** L.



500



0



Eur-As

### **Solidago virgaurea** L.



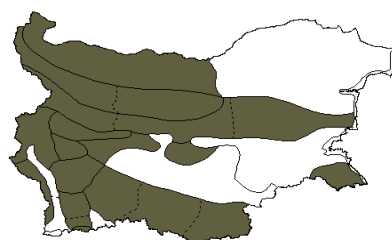
2800



500

Boreal

### **Sorbus aria** (L.) Crantz



1800



0

Eur

### **Sonchus arvensis** L.



1000



0

Eur-As

### **Sorbus aucuparia** L.



2000



600

subBoreal

### **Sonchus asper** (L.) Hill



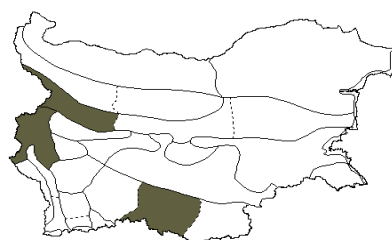
1000



0

Eur

### **Sorbus austriaca** (Beck) Hedl.



1100

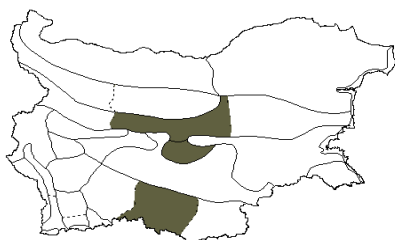


800

Alp-Carp-Bal

### **Sorbus borbasii**

Jáv.



1600

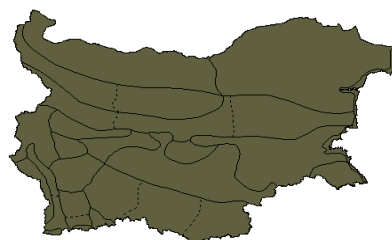


500

Carp-Bal

### **Sorbus torminalis**

(L.) Crantz



1700

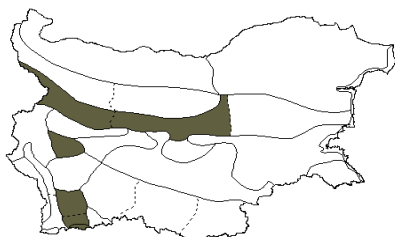


0

Pont-Med

### **Sorbus chamaemespilus**

(L.) Crantz



2100

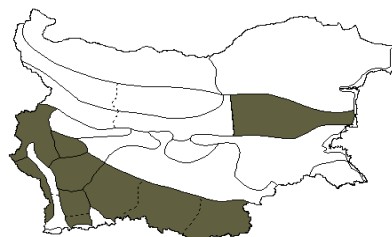


1700

Alp-Med

### **Sorbus umbellata**

(Desf.) Fritsch



1600



600

subMed

### **Sorbus domestica**

L.



1000



0

Eur-Med

### **Sorghum halepense**

(L.) Pers.



1000

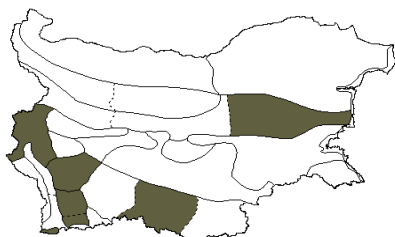


0

subMed-As

### **Sorbus graeca**

(Spach) Kotschy



1300

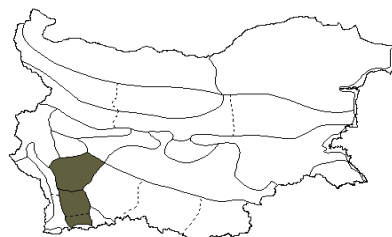


500

Pont-Med

### **Sparganium angustifolium**

Michx.



1800



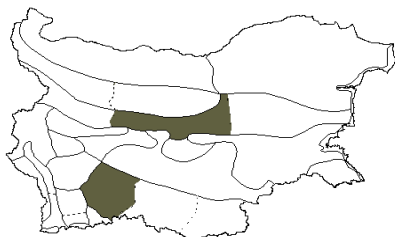
1000



subBoreal

### **Sorbus mougeotii**

Soy.-Will. & Godr.



1500

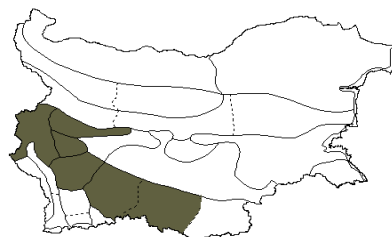


500

Alp-Carp-Bal

### **Sparganium emersum**

Rehmann



1000



0

Boreal

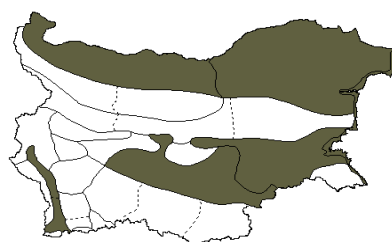
# *Sparganium erectum* L.



1000  
⇕  
0

Boreal

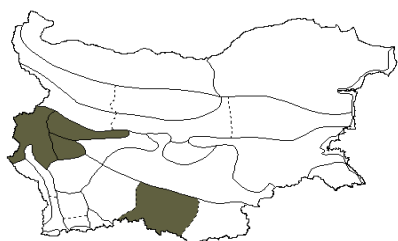
# *Spergularia marina* (L.) Griseb.



500  
⇕  
0

subBoreal

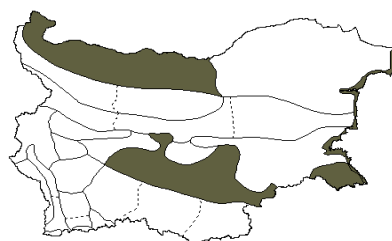
# *Sparganium minimum* Wallr.



1600  
⇕  
0

Boreal

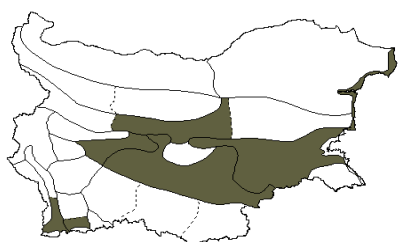
# *Spergularia media* (L.) C. Presl



500  
⇕  
0

Eur-As

# *Spartium junceum* L.



1000  
⇕  
0

Adv (Med)

# *Spergularia rubra* (L.) J. & C. Presl



2000  
⇕  
0

subBoreal

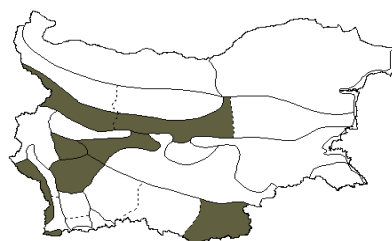
# *Spergula arvensis* L.



1800  
⇕  
0

Kos

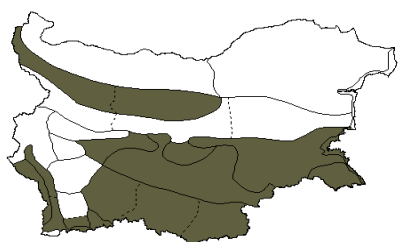
# *Spiraea chamaedryfolia* L.



1800  
⇕  
1000

Pont-As

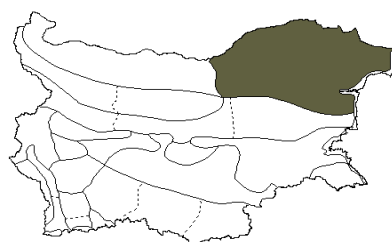
# *Spergula pentandra* L.



1000  
⇕  
0

subMed

# *Spiraea crenata* L.

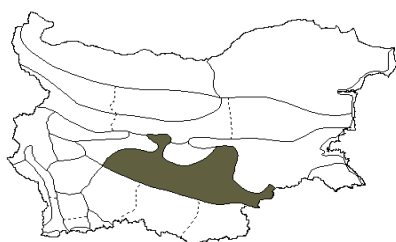


500  
⇕  
0

Pont



# **Spiraea hypericifolia** L.

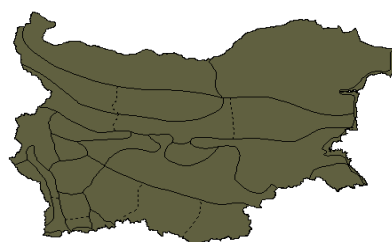


300  
⇕  
300



Pont-Sib

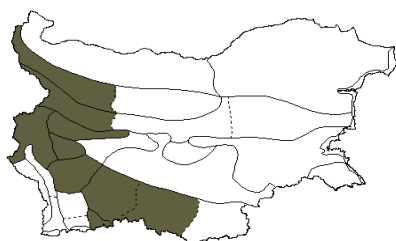
# **Spirodela polyrhiza** (L.) Schleid.



1000  
⇕  
0

Kos

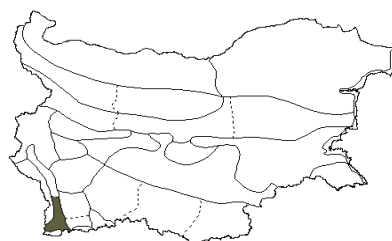
# **Spiraea media** F. W. Schmidt



2000  
⇕  
500

Pont-Sib

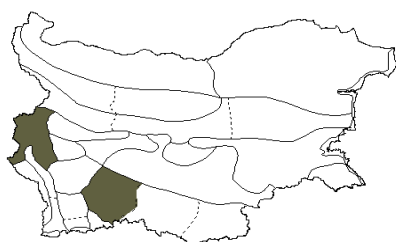
# **Sporobolus indicus** (L.) R. Br.



100  
⇕  
0

Adv (Am)

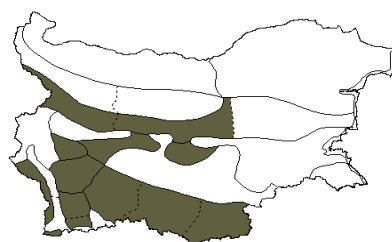
# **Spiraea pseudosalicifolia** Silverside



1500  
⇕  
500

Adv (Hybr)

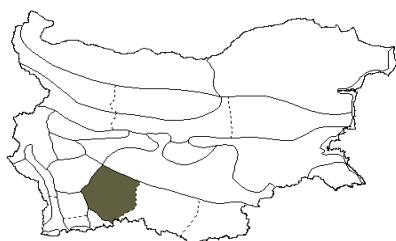
# **Stachys alpina** L.



2000  
⇕  
900

Alp-Carp

# **Spiraea salicifolia** L.

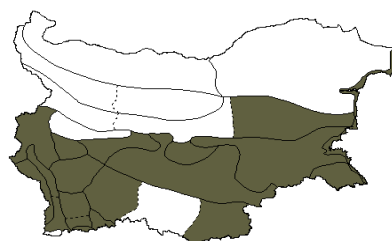


1200  
⇕  
1200



Boreal

# **Stachys angustifolia** M. Bieb.



2000  
⇕  
0

Pont-Med

# **Spiranthes spiralis** (L.) Chevall.

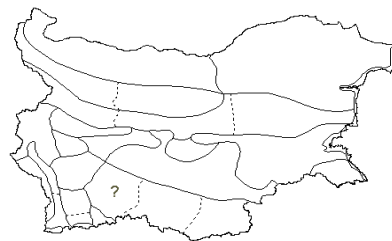


1000  
⇕  
0



subMed

# **Stachys anisochila** Vis. & Pančić



⇕

### **Stachys annua**

(L.) L.



1400

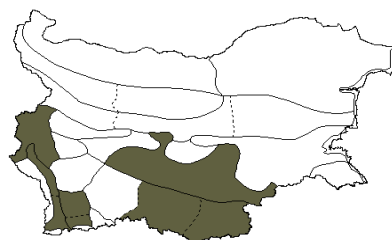


0

Eur-As

### **Stachys cassia**

(Boiss.) Boiss.



1000

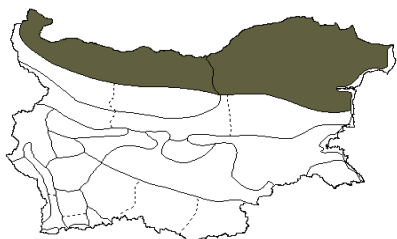


100

Pont-Med

### **Stachys arenariaeformis**

Rouy



200



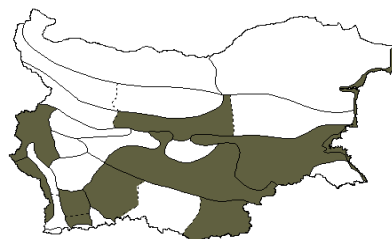
0



Bal-Dac

### **Stachys cretica**

L.



1000

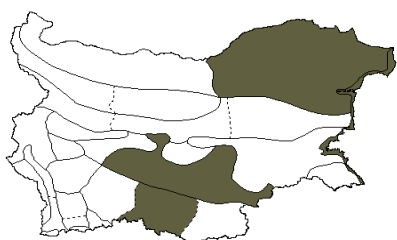


0

Pont-Med

### **Stachys atherocalyx**

C. Koch



1000

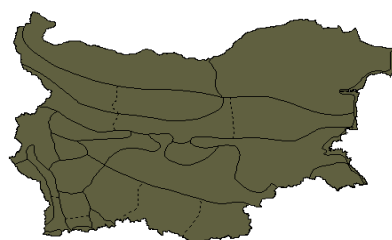


0

Pont-Med

### **Stachys germanica**

L.



1600

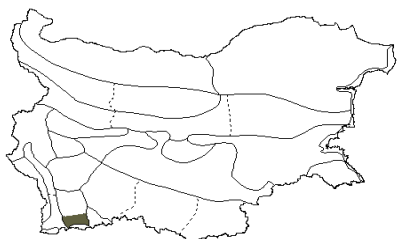


0

Eur-subMed

### **Stachys baldacii**

(Maly) Hand.-Mazz.



1700

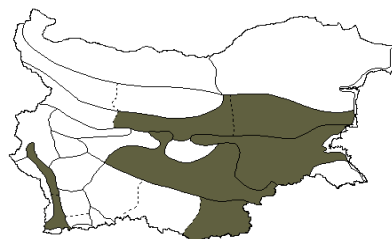


1500

Bal ?

### **Stachys leucoglossa**

Griseb.



2000

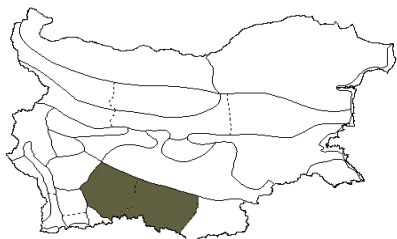


200

Bal

### **Stachys beckeana**

Dörf. & Hayek



1500

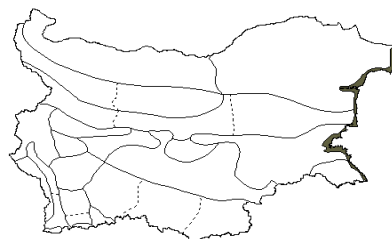


1300

Bal

### **Stachys maritima**

Gouan



0



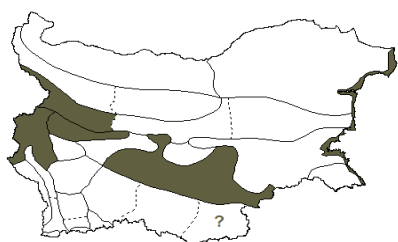
0



Med

### *Stachys milanii*

Petrovič



1000

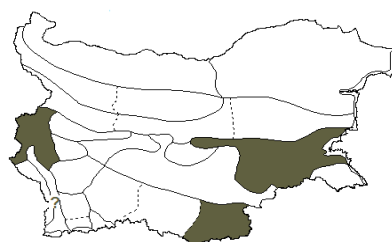


100

Bal

### *Stachys serbica*

Pančić



1200

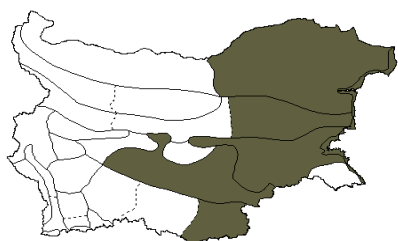


150

Bal

### *Stachys obliqua*

Waldst. & Kit.



800



0

Bal-Anat

### *Stachys sylvatica*

L.



2000

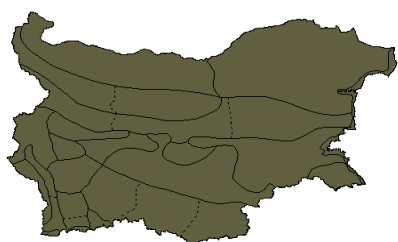


0

Eur-As

### *Stachys palustris*

L.



1000

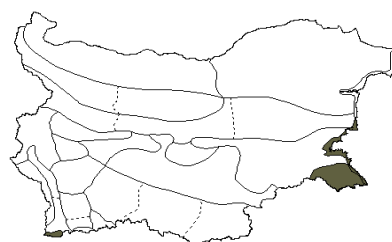


0

Boreal

### *Stachys thracica*

Dav.



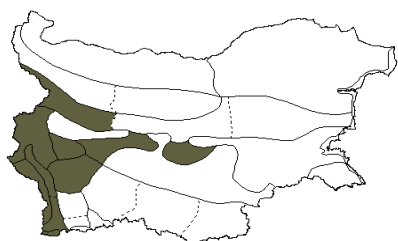
0



0

### *Stachys plumosa*

Griseb.



1000

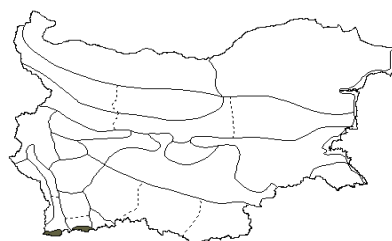


100

Bal

### *Stachys thymphaea*

Hauskn.



2200

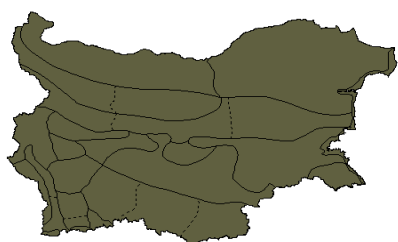


1000

Ap-Bal

### *Stachys recta*

L.



1500

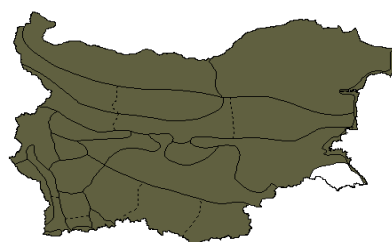


0

Eur-Med

### *Staphylea pinnata*

L.



1000

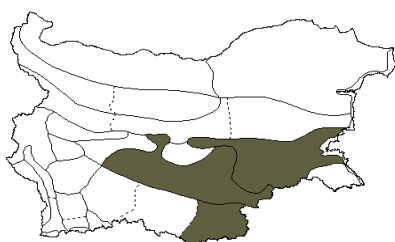


500

Eur-Med

### Stefanoffia daucoides

(Boiss.) H. Wolff



300



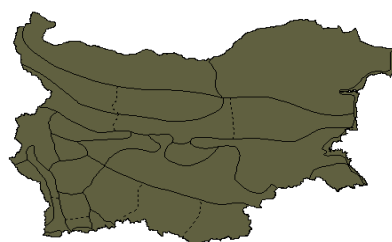
0



Bal-Anat

### Stellaria media

(L.) Vill.



1500

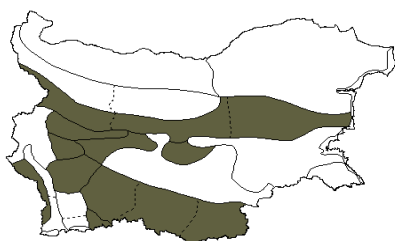


0

Kos

### Stellaria alsine

Grimm



1500

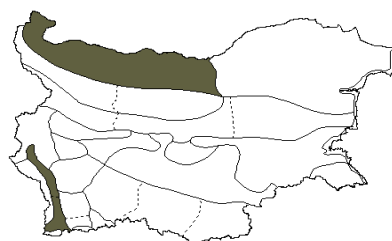


0

Boreal

### Stellaria neglecta

Weihe



300

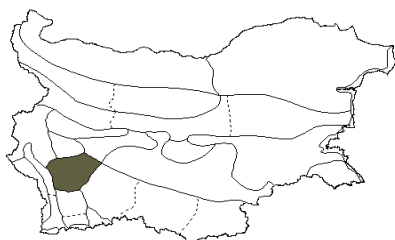


0

Eur-As

### Stellaria cupaniana

(Jord. & Fourr.) Bég.



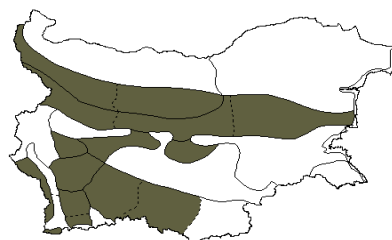
1500



0

### Stellaria nemorum

L.



2300



0

Eur

### Stellaria graminea

L.



1900



0

Eur-As

### Stellaria pallida

(Dumort.) Piré



1500

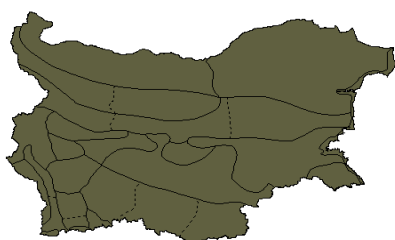


0

subMed-CAs

### Stellaria holostea

L.



2000

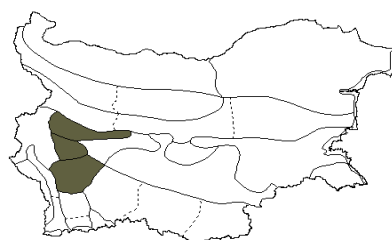


0

Eur-Sib

### Stellaria palustris

Retz.



1000

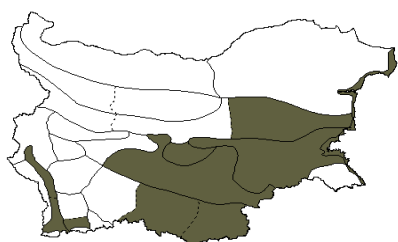


0

Eur-As

### **Steptorhamphus tuberosus**

(Jacq.) Grossh.



1000

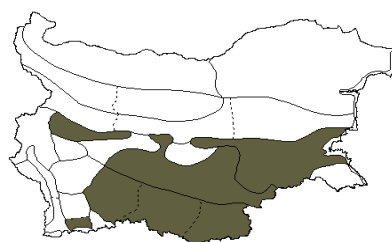


0

Med

### **Stipa crassiculmis**

P. A. Smirn.



500



0

CAs

### **Sternbergia colchiciflora**

Waldst. & Kit.



1200

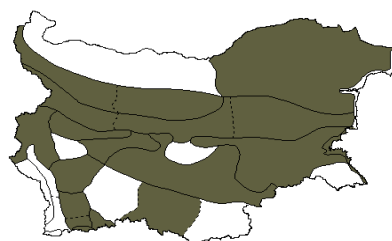


0

Eur-Pont

### **Stipa epilosa**

Martinovský



1400

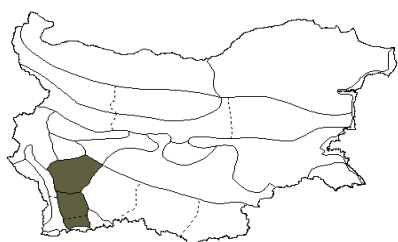


0

SEEur

### **Stipa balcanica**

(Martinovský) Kožuharov



2000

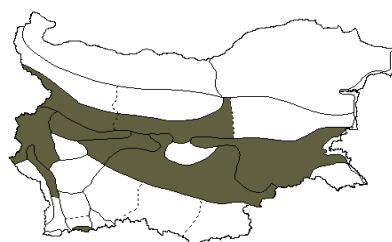


800

subBal

### **Stipa eriocaulis**

Borbás



1000

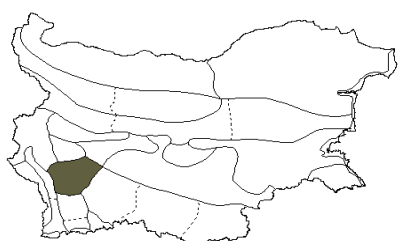


0

Eur

### **Stipa borysthena**

Klokov ex Prokudin



1000

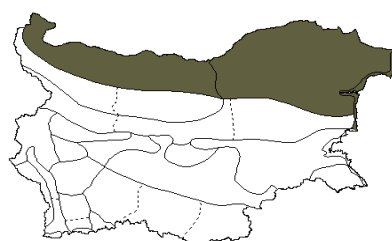


0

Pont

### **Stipa lessingiana**

Trin. & Rupr.



100



0

Eur-As

### **Stipa capillata**

L.



1000

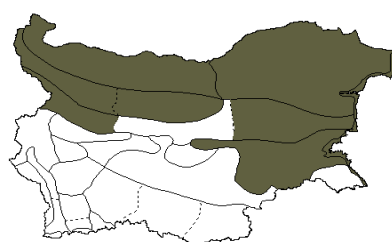


0

Pont-Med

### **Stipa pennata**

L.



1000

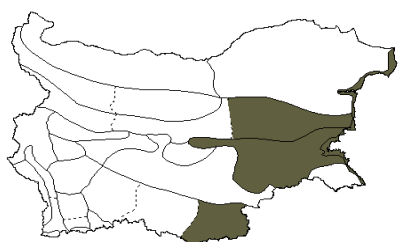


0

Eur

### *Stipa pontica*

P. A. Smirn.



200

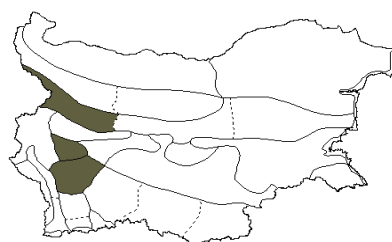


0

Pont

### *Streptopus amplexifolius*

(L.) DC.



2000

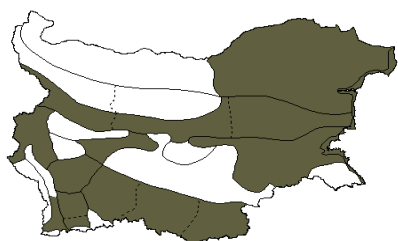


1500

Boreal

### *Stipa pulcherrima*

Koch



1500

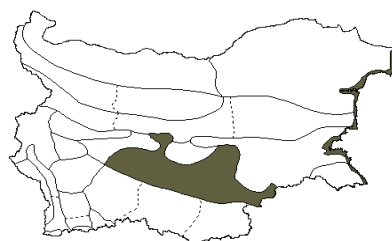


0

Pont-Med

### *Suaeda altissima*

(L.) Pall.



200

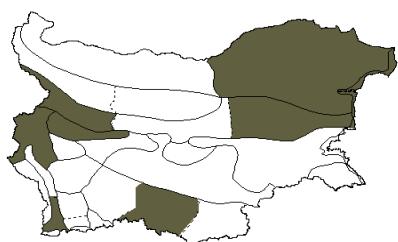


0

Eur-As

### *Stipa tirsia*

Steven



1000

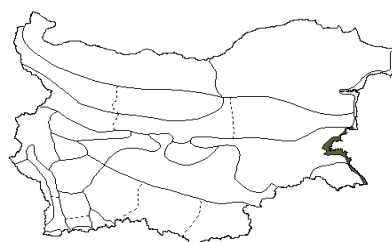


0

Eur-As

### *Suaeda heterophylla*

(Kar. & Kir.) Bunge



50



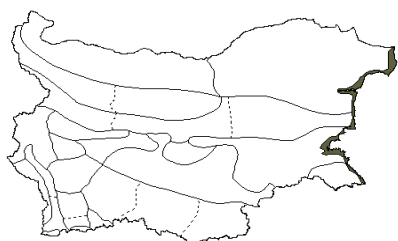
0



Pont-CAs

### *Stipa ucrainica*

P. Smir.



500

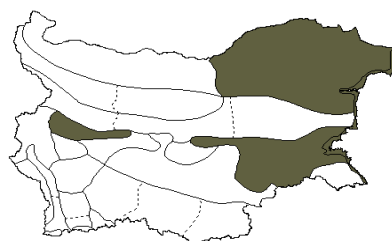


0

Pont

### *Suaeda maritima*

(L.) Dumort.



300

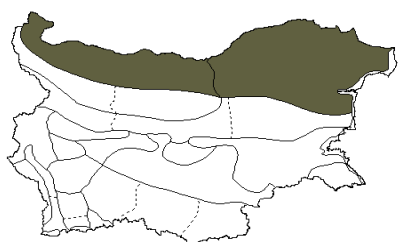


0

Kos

### *Stratiotes aloides*

L.



100



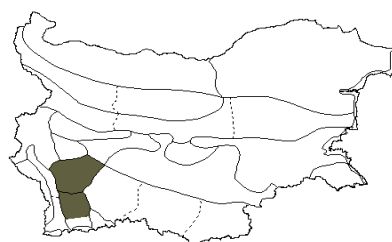
100



Eur-Sib

### *Subularia aquatica*

L.



2900



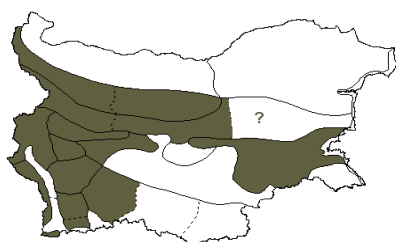
1800



Arct-Alp

# **Succisa pratensis**

Moench



2900

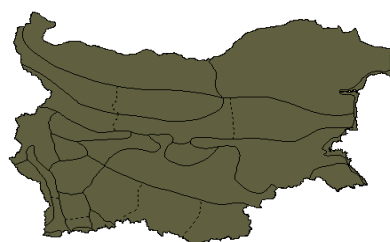


500

Eur

# **Symphytum bulbosum**

Schim.



1800

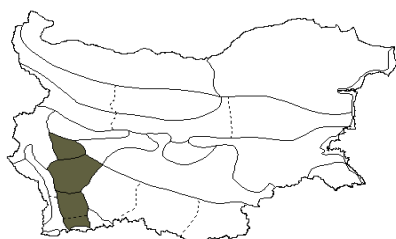


0

Med

# **Swertia perennis**

L.



2900



1000

Eur

# **Symphytum officinale**

L.



1500

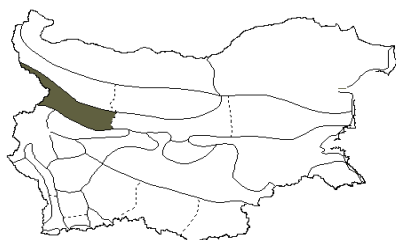


0

Eur-As

# **Swertia punctata**

Baumg.



1400



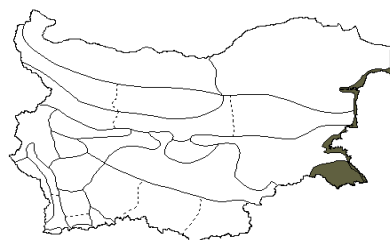
900



Carp-Bal-Cauc

# **Symphytum orientale**

L.



50

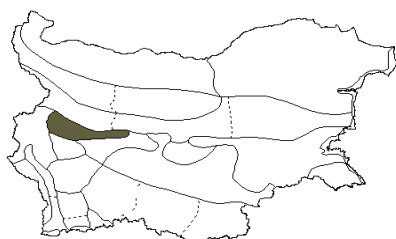


0

Pont

# **Symphoricarpos albus**

(L.) S.F. Blake



1000

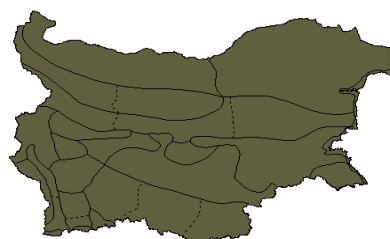


0

Adv (NAm)

# **Symphytum ottomanum**

Friv.



2000

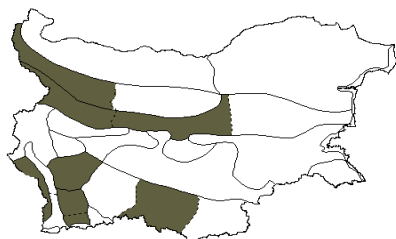


0

Bal-Anat

# **Symphyandra wanneri**

(Rochel) Heuffel



1500

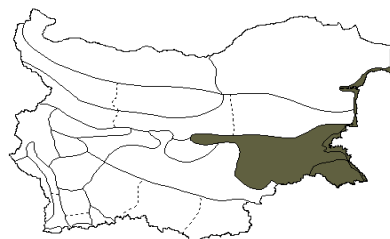


400

Carp-Bal

# **Symphytum tauricum**

Willd.



50



0

Pont-Med

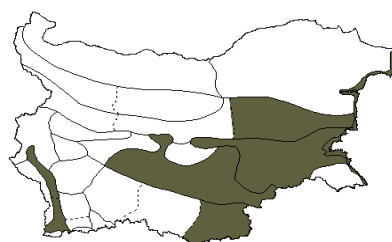
# **Symphytum tuberosum** L.



2200  
⇕  
0

Eur-Med

# **Tamarix tetrandra** Pall. ex M. Bieb.



500  
⇕  
0

Med

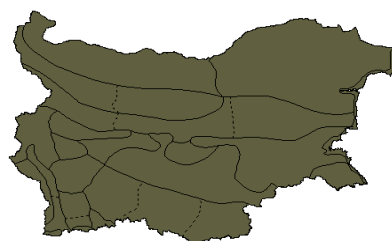
# **Syringa vulgaris** L.



1300  
⇕  
0

Carp-Bal

# **Tamus communis** L.



1200  
⇕  
0

subMed

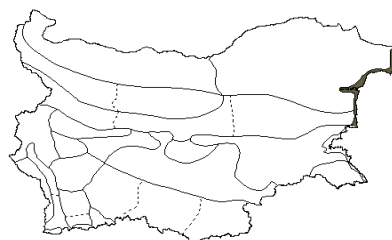
# **Taeniatherum caput-medusae** (L.) Nevski



1000  
⇕  
0

Eur-As

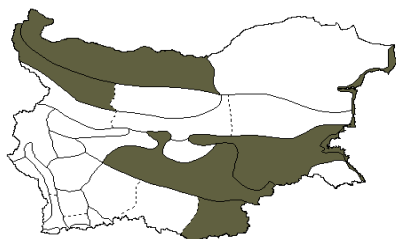
# **Tanacetum achilleifolium** (M. Bieb.) Sch.Bip.



100  
⇕  
0

Pont-Med

# **Taeniatherum crinitum** (Schreb.) Nevski



1000  
⇕  
0

Pont-CAs

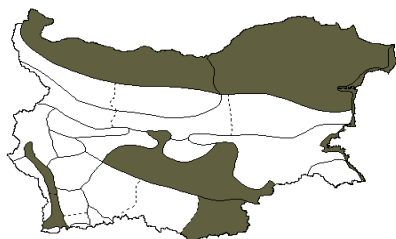
# **Tanacetum corymbosum** (L.) Sch.Bip.



2000  
⇕  
0

Eur-Med

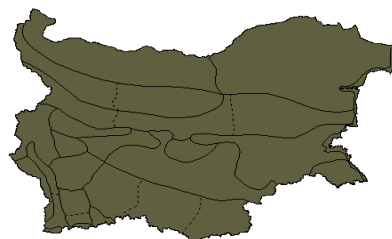
# **Tamarix ramosissima** Ledeb.



300  
⇕  
0

Eur-As

# **Tanacetum macrophyllum** (Waldst. & Kit.) Sch.Bip.



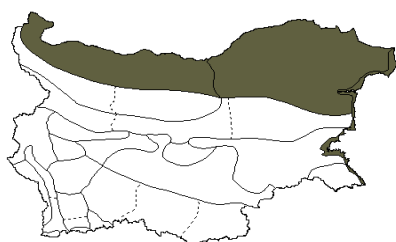
2000  
⇕  
0

Eur



# **Tanacetum millefolium**

(L.) Tzvelev



100



0

Pont

# **Tanacetum parthenium**

(L.) Sch.Bip.



2000



0

Eur-OT

# **Tanacetum vulgare**

L.



2000

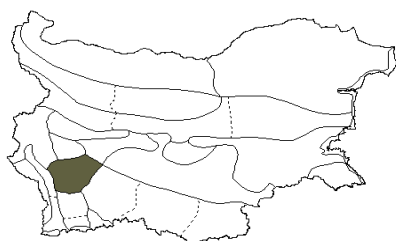


0

Eur-Sib

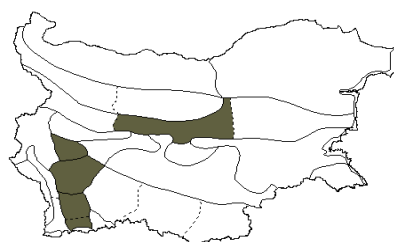
# **Taraxacum aequilobiforme**

v. Soest



# **Taraxacum apenninum**

(Ten.) Ten.



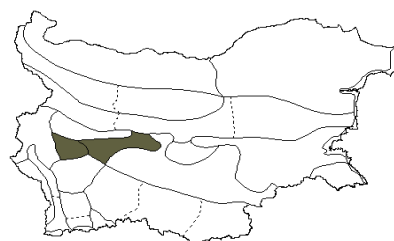
2800



0

# **Taraxacum apiculatoides**

Malecka



0

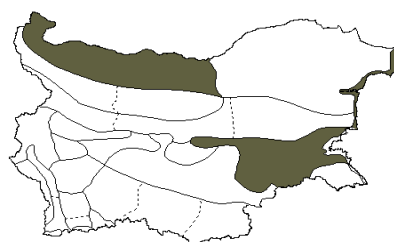


0

Bal

# **Taraxacum bessarabicum**

(Hornem.) Hand.-Mazz.



500

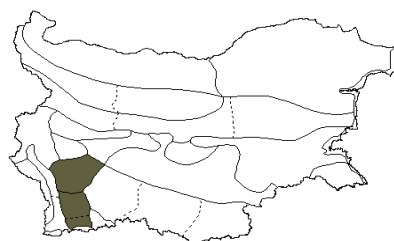


0

Pont-CAs

# **Taraxacum bithynicum**

DC.



2900

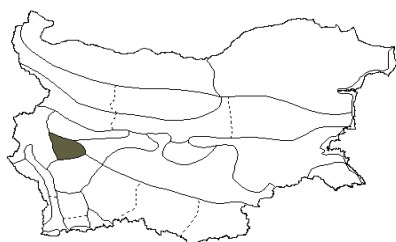


2500

Med

# **Taraxacum ambitiosum**

Kirschner & Štěpánek



0

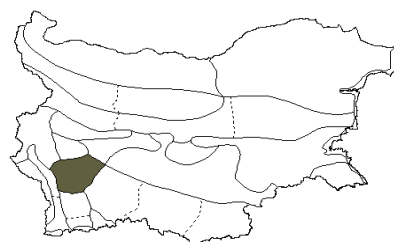


0

Bul

# **Taraxacum borovezum**

Doll



1900

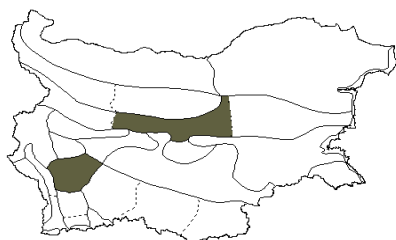


1300

Bul

# **Taraxacum bulgaricum**

Soest



0

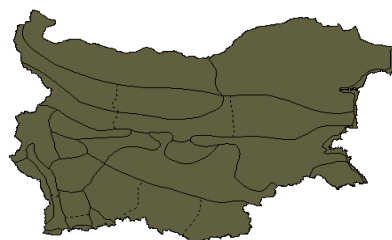


0

Bal

# **Taraxacum erytrospermum**

Andrz. ex Besser



2000

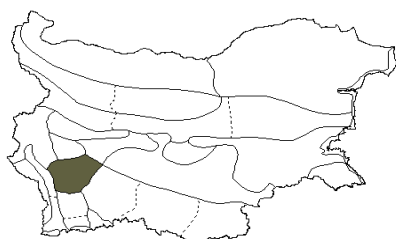


1000

Eur

# **Taraxacum carinthiacum**

v. Soest



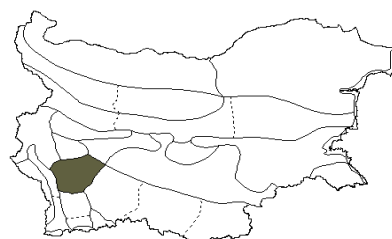
1700



1700

# **Taraxacum floribundum**

Doll



1500

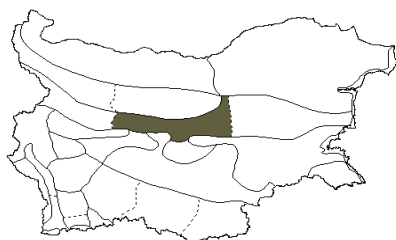


1200

Bul

# **Taraxacum crassum**

H. Øllg. & Trávníček



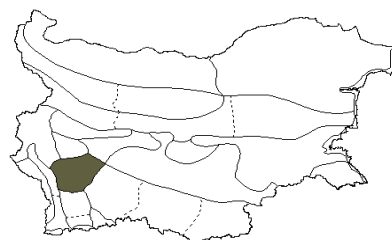
1300



1200

# **Taraxacum fontanosquameum**

v. Soest



2500

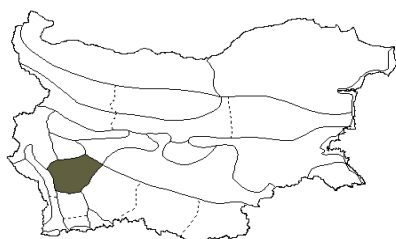


2500

Eur

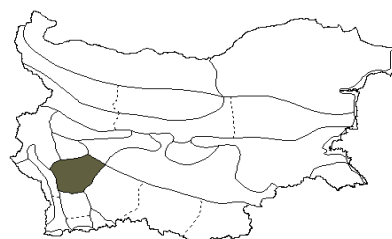
# **Taraxacum crocellum**

v. Soest



# **Taraxacum fontanum**

Hand.-Mazz.



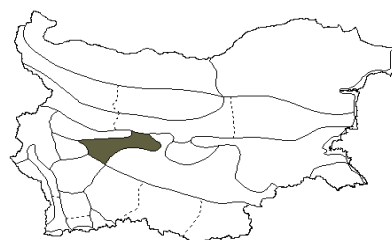
# **Taraxacum dorchocarpum**

Soest



# **Taraxacum glaucolivaceum**

Kirschner & Štěpánek



1000

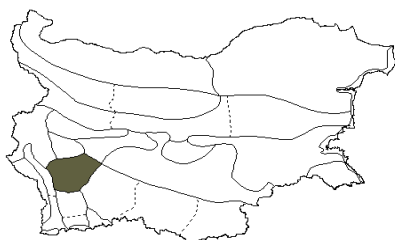


800

Bul

### **Taraxacum hamosium**

Doll



2000

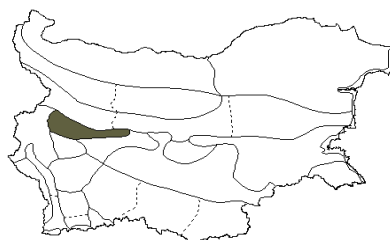


1500

Bul

### **Taraxacum lentum**

Kirschner & Štěpánek



0

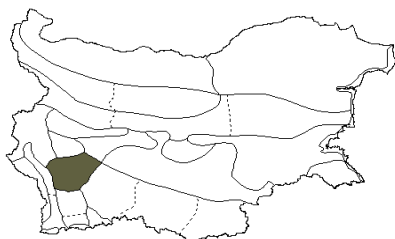


0

Bul

### **Taraxacum helveticum**

v. Soest



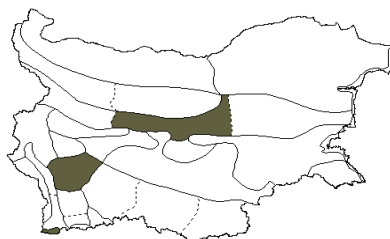
2800



2000

### **Taraxacum lividum**

(Waldst. & Kit.) Peterm.



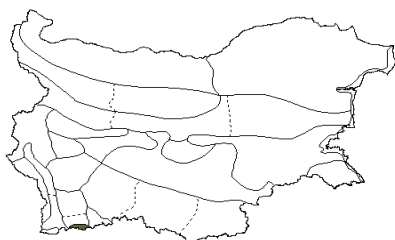
1000



800

### **Taraxacum hoppeanum**

Griseb.



2000

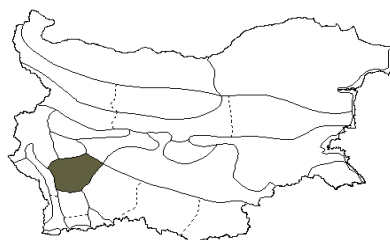


0

Bal-Dac

### **Taraxacum malowitzum**

Doll



2500

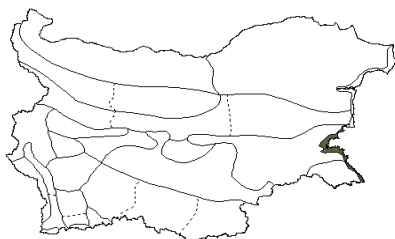


1700

Bul

### **Taraxacum hybernum**

Steven



200

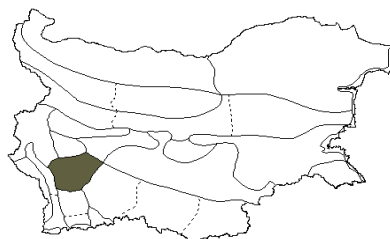


0

Pont

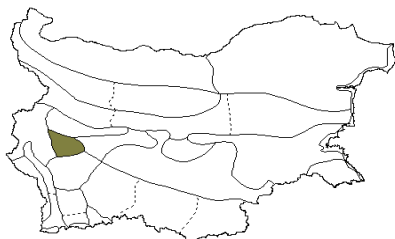
### **Taraxacum mattmarkense**

v. Soest



### **Taraxacum insolitum**

Kirschner, C. E. Sonck & Štěpánek



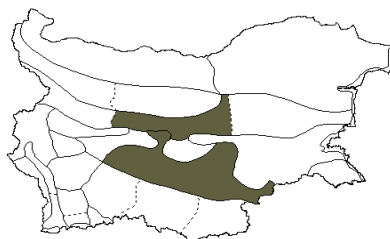
0



0

### **Taraxacum megalorrhizon**

(Forssk.) Hand.-Mazz.



2000

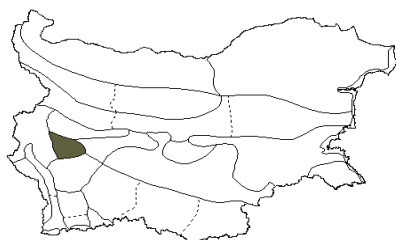


500

Med

### **Taraxacum melancholicum**

Kirschner & Štěpánek

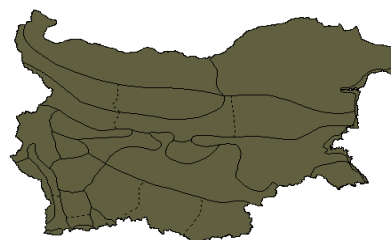


0  
⇕  
0

Bul

### **Taraxacum officinale**

L.

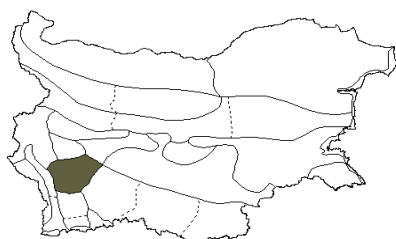


2800  
⇕  
1000

Eur-Med

### **Taraxacum metriocallosum**

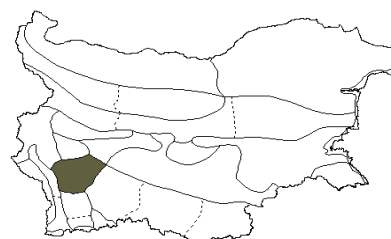
v. Soest



2000  
⇕  
1000

### **Taraxacum oostroomii**

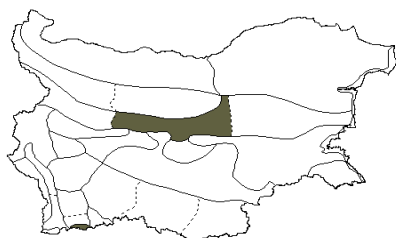
v. Soest



⇕

### **Taraxacum nigricans**

(Kit.) Rechb.

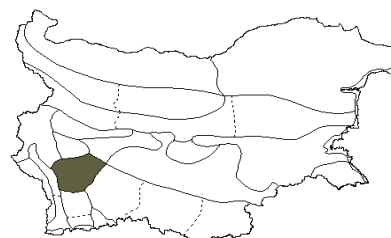


2900  
⇕  
1500

Carp-Bal

### **Taraxacum paludosiforme**

Doll

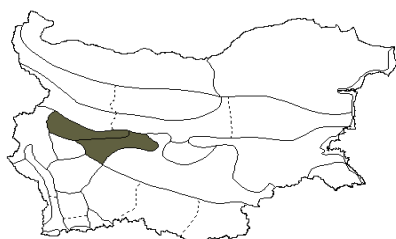


2500  
⇕  
2000

Bul

### **Taraxacum obuncum**

Kirschner & Štěpánek

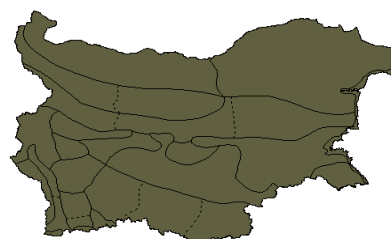


0  
⇕  
0

Bul

### **Taraxacum palustre**

(Lyons) Symons

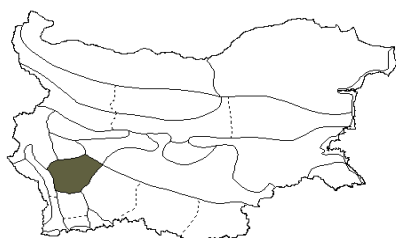


2800  
⇕  
800

Pont

### **Taraxacum ochrospermum**

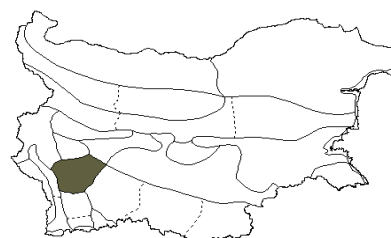
v. Soest



⇕

### **Taraxacum panalpinum**

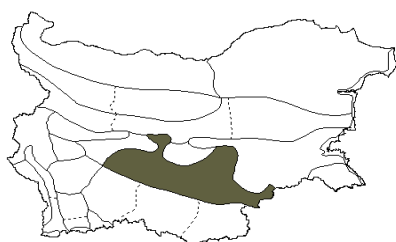
v. Soest



2800  
⇕  
1700

### **Taraxacum plovdivense**

Doll



400

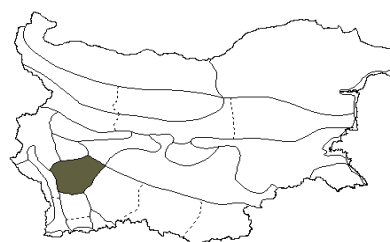


0

Bul

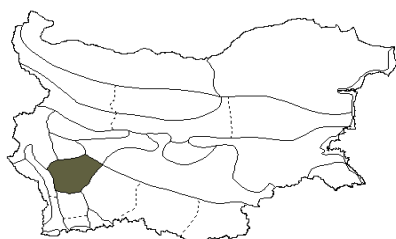
### **Taraxacum reophilum**

v. Soest



### **Taraxacum poliochloroides**

Doll



1000

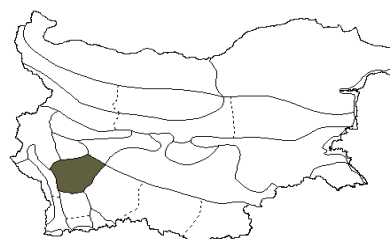


1000

Bul

### **Taraxacum rhaeticum**

v. Soest



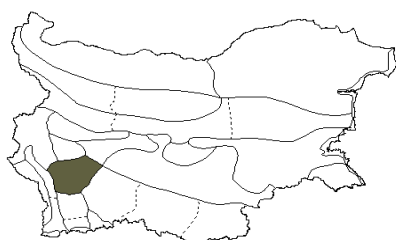
2500



1500

### **Taraxacum pseudofontanum**

v. Soest



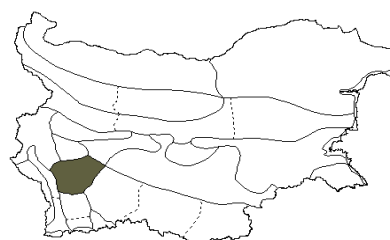
2800



1700

### **Taraxacum rivale**

Doll



1300

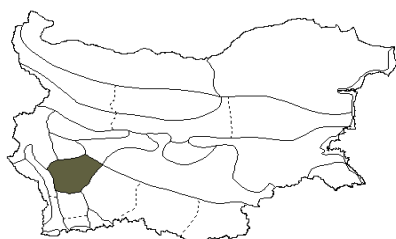


1300

Bul

### **Taraxacum pseudo-vernelense**

Doll



2600

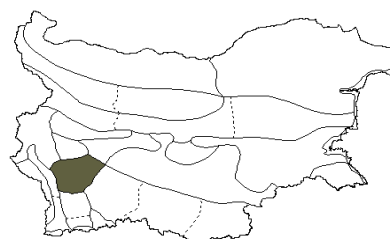


2000

Bul

### **Taraxacum saasense**

v. Soest



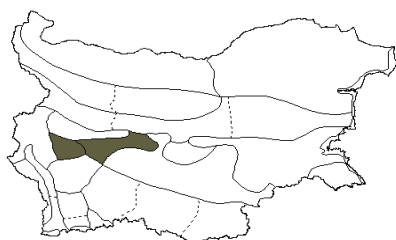
2800



2000

### **Taraxacum reffectum**

Sonck



1200

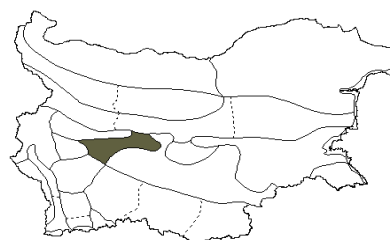


0

Bal

### **Taraxacum scaturiginosum**

G. E. Haglund



1200



800

### **Taraxacum serotinum**

(Waldst. & Kit.) Poir.



2000

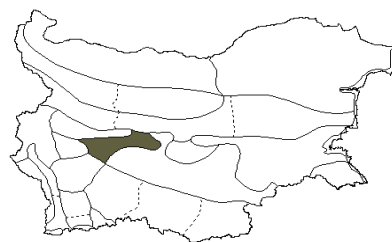


1000

Pont

### **Taraxacum strictum**

Kirschner & Štěpánek



500

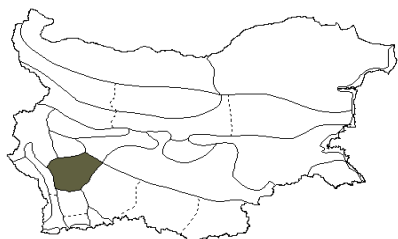


0

Bul

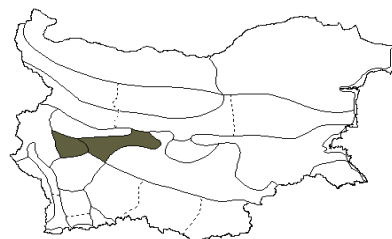
### **Taraxacum silvicolum**

v. Soest



### **Taraxacum subudum**

Kirschner & Štěpánek



1200

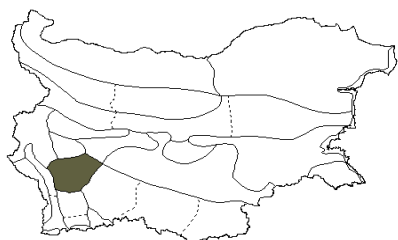


500

Bul

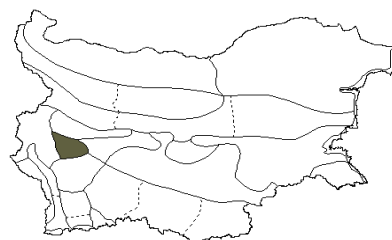
### **Taraxacum silvrettense**

v. Soest



### **Taraxacum suspectum**

Kirschner & Štěpánek



1000

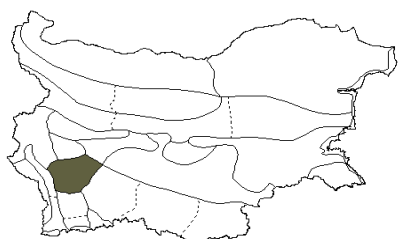


1000

Bul

### **Taraxacum sitnjakovense**

Doll



1700

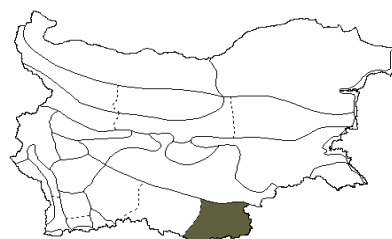


1700

Bul

### **Taraxacum thracicum**

Soest



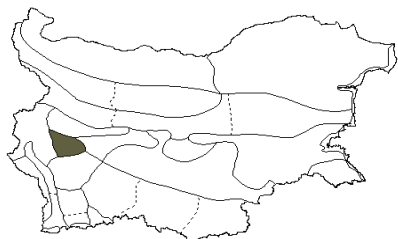
500



0

### **Taraxacum sophiae**

Kirschner & Štěpánek



1200

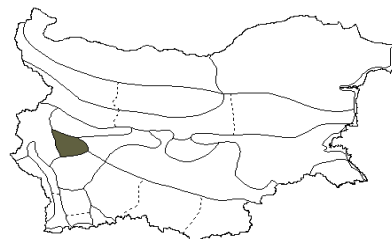


800

Bul

### **Taraxacum turfiforme**

Kirschner & Štěpánek



1200

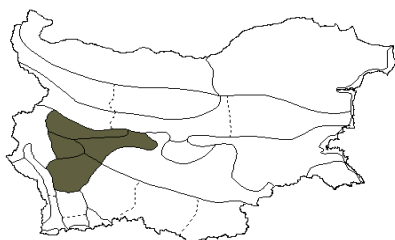


800

Bul

## Taraxacum vindobonense

Soest



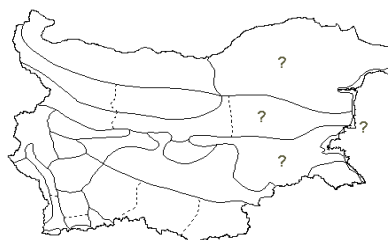
2000



700

## Teucrium botrys

L.



300



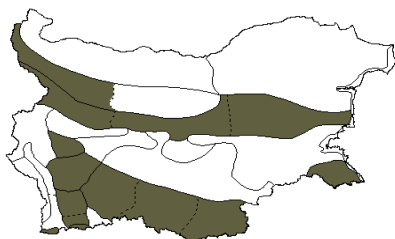
0



Med

## Taxus baccata

L.



1700



200



Eur-NAm

## Teucrium chamaedrys

L.



1500

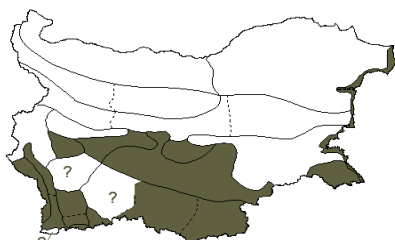


0

subMed

## Teesdalia coronopifolia

(J. P. Bergeret) Thell.



1000

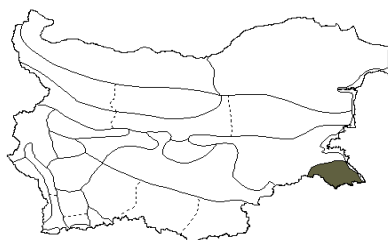


0

subMed-CAs

## Teucrium lamiifolium

D'Urv.



500



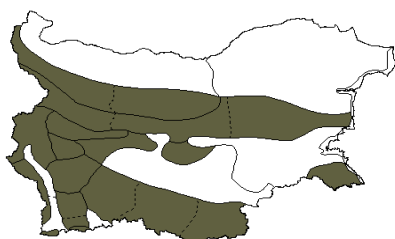
0



Med

## Telekia speciosa

(Schreb.) Baumg.



2000



0

subMed

## Teucrium montanum

L.



1900

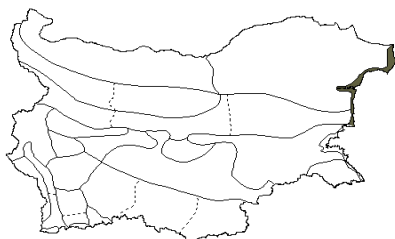


0

subMed

## Tetragonolobus maritimus

(L.) Roth



100

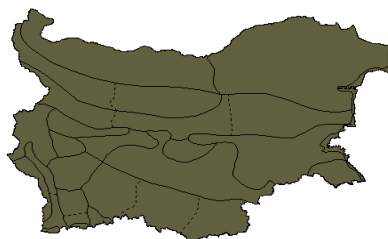


0

subMed

## Teucrium polium

L.



2000



0

Pont-Med

### Teucrium scordium

L.



1500

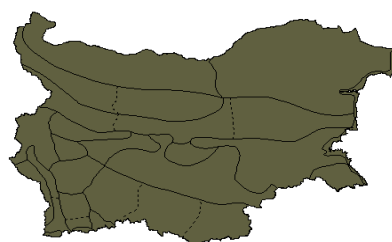


0

subMed

### Thalictrum minus

L.



2600

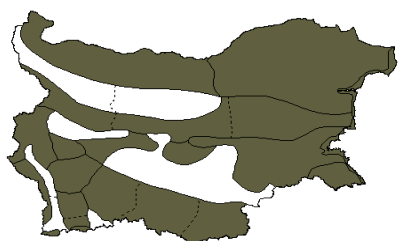


0

Eur-Sib

### Thalictrum aquilegifolium

L.



2300

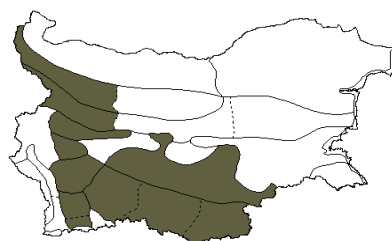


0

Eur-As

### Thalictrum simplex

L.



1800

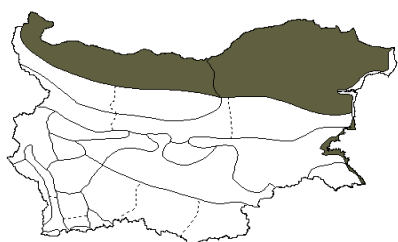


0

Eur-As

### Thalictrum flavum

L.



200

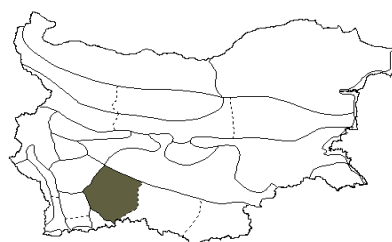


0

Eur-As

### Theligonum cynocrambe

L.



1000



500



Med-CAs

### Thalictrum foetidum

L.



700



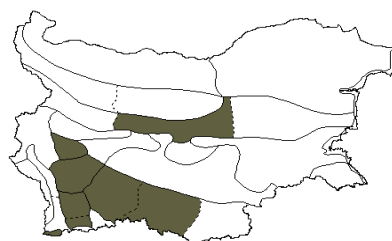
700



Eur-As

### Thelypteris phegopteris

(L.) Sloss.



1900

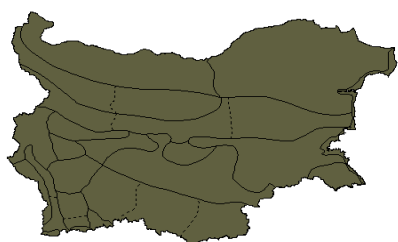


1200

Boreal

### Thalictrum lucidum

L.



1100



0

Eur

### Thelypteris thelypteroides

(F. Michx.) Holub



1000



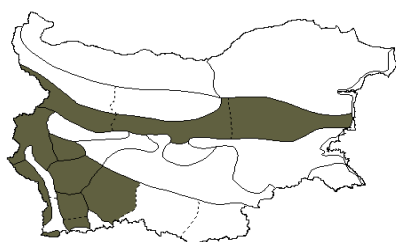
0



Boreal



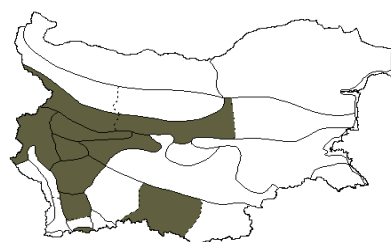
### **Thesium alpinum** L.



2500  
⇕  
1500

Eur-Med

### **Thesium linophyllon** L.



2000  
⇕  
800

subMed

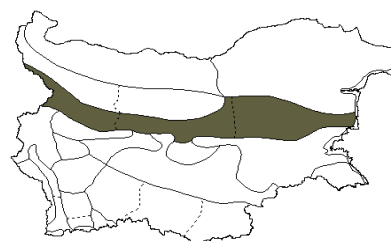
### **Thesium arvense** Horv.



1100  
⇕  
0

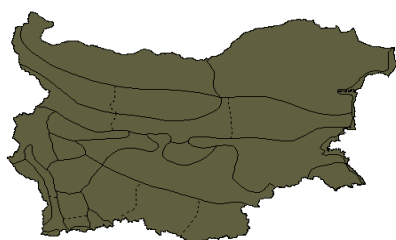
Med-CAs

### **Thesium procumbens** C. A. Mey



0  
⇕  
0

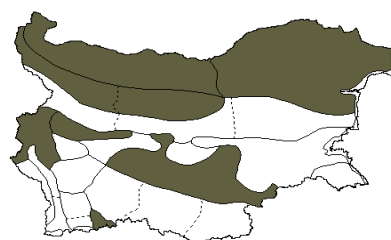
### **Thesium bavarum** Schrank



2500  
⇕  
500

subMed

### **Thesium simplex** Velen.



1200  
⇕  
0

Bal-Dac

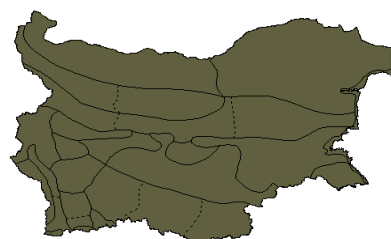
### **Thesium divaricatum** Jan ex Mert & Koch



1600  
⇕  
0

Eur-Med

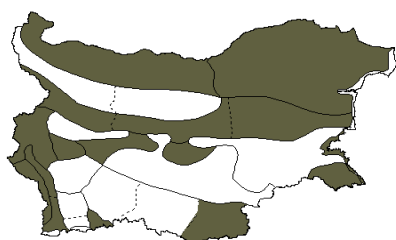
### **Thlaspi alliaceum** L.



1700  
⇕  
0

subMed

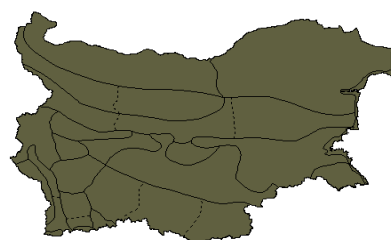
### **Thesium dollineri** Murb.



1000  
⇕  
0

Pont

### **Thlaspi arvense** L.

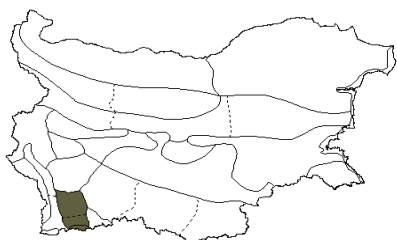


1700  
⇕  
0

Eur-As

### *Thlaspi bellidifolium*

Griseb.



2900

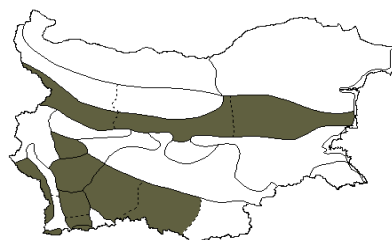


2000

Bal

### *Thlaspi praecox*

Wulfen



2900

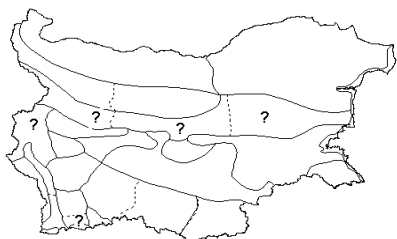


1000

subMed

### *Thlaspi goesingense*

Halácsy



1200

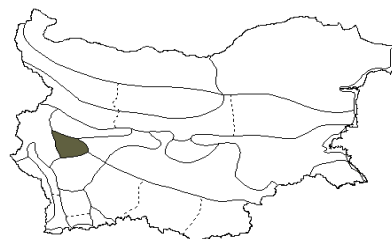


0

Pont

### *Thlaspi viridisepalum*

(Podp.) Greuter & Burdet



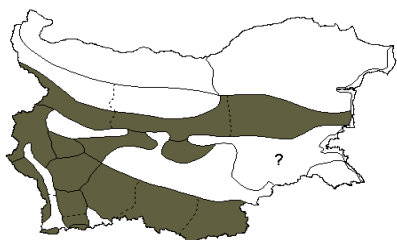
2000



1000

### *Thlaspi kovatsii*

Heuff.



2000

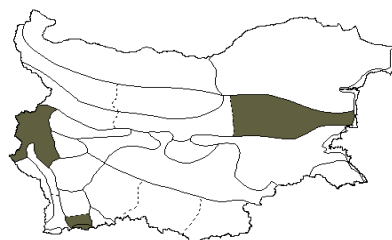


0

Pont-Med

### *Thymelaea bulgarica*

Cheschm.



1500

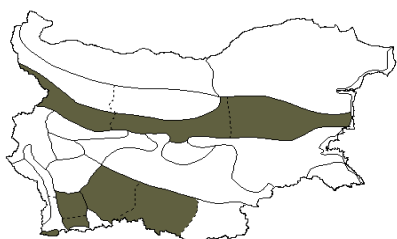


0

Bul

### *Thlaspi ochroleucum*

Boiss. & Heldr.



2000

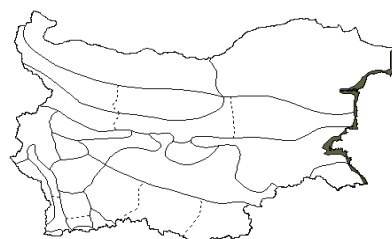


1000

Med

### *Thymelaea gussonei*

Boreau



200



0

### *Thlaspi perfoliatum*

L.



1000

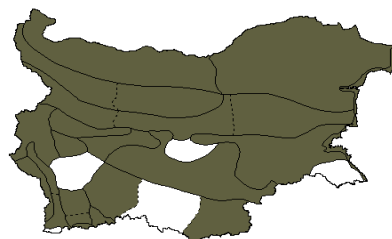


0

Eur-Med

### *Thymelaea passerina*

(L.) Coss. & Germ.



1000

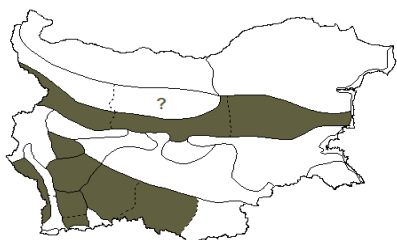


0

Pont

### Thymus albanus

Heinr. Braun



2700



1200

Bal

### Thymus glabrescens

Willd.



2200

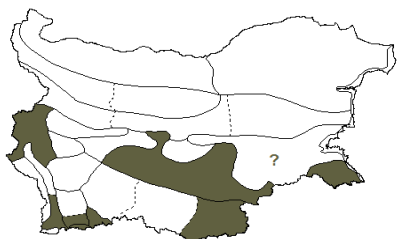


0

Eur

### Thymus atticus

Čelak.



900

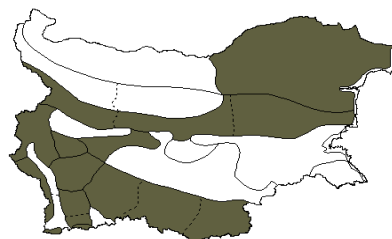


0

Bal-Anat

### Thymus jankae

Čelak.



2900

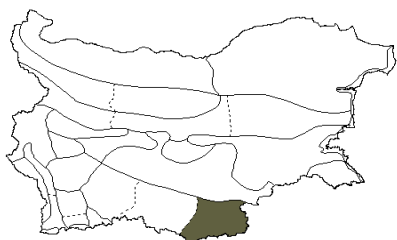


100

subMed

### Thymus bracteosus

Vis. ex Benth.



1000



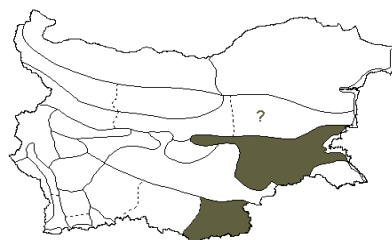
0



Med

### Thymus leucotrichus

Halácsy



450

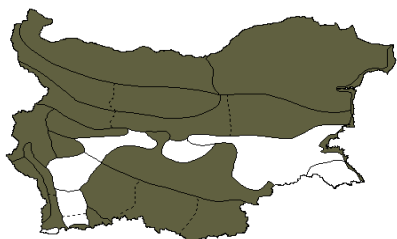


300

Med

### Thymus callieri

Borbás ex Velen.



1200

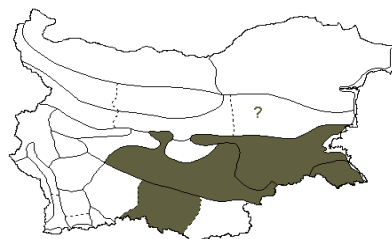


0

Pont

### Thymus longedentatus

(Degen & Urum.) Ronniger



400

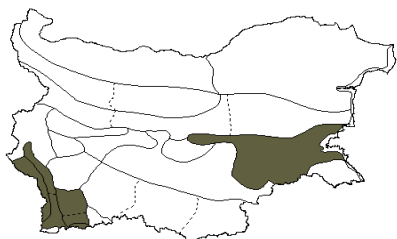


100

Bal

### Thymus comptus

Friv.



700

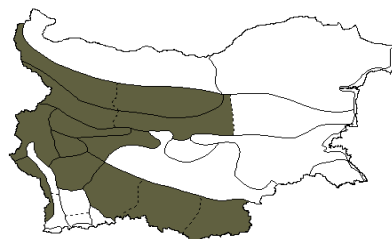


200

Bal

### Thymus longicaulis

C. Presl



2200

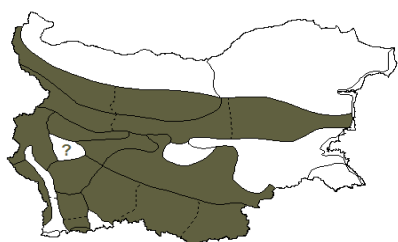


500

Med

### Thymus moesiacus

Velen.



2500

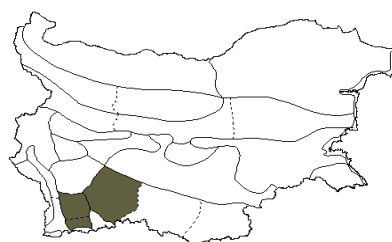


100

Bal-Anat

### Thymus stojanovii

Degen



2400



1200



Bal

### Thymus pannonicus

All.



1300

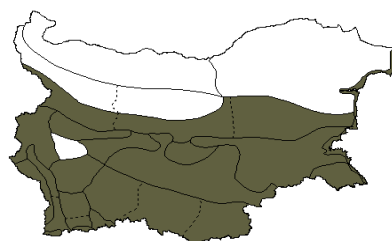


0

Eur

### Thymus striatus

Vahl



1800

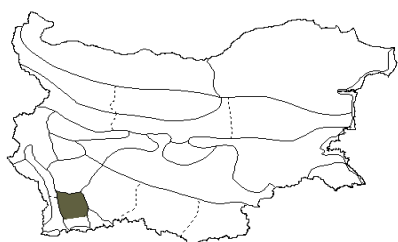


0

subMed

### Thymus perinicus

(Velen.) J alas



2900



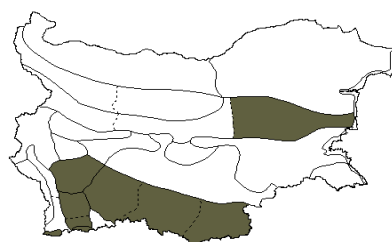
1900



Bul

### Thymus thracicus

Velen.



2900



300

subMed

### Thymus pulegioides

L.



2000

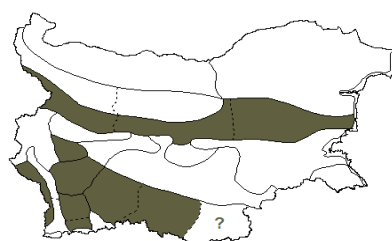


0

Eur

### Thymus vandasii

Velen.



2900

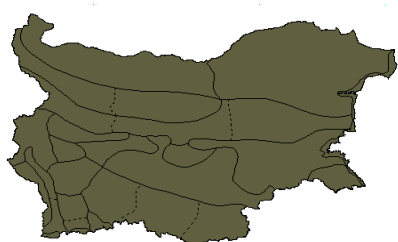


900

Eur-Med

### Thymus sibthorpii

Benth.



2000

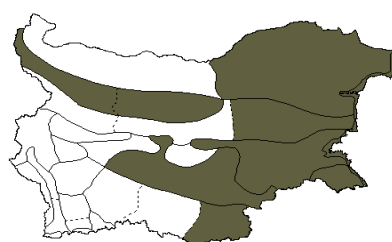


0

Bal-Dac

### Thymus zygioides

Griseb.



700



0

subMed

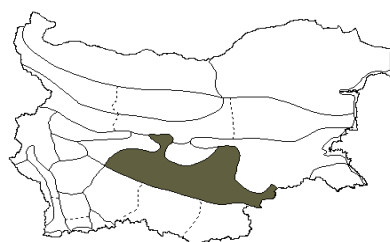
**Tilia cordata**  
Mill.



1500  
⇕  
0

Eur

**Tordylium apulum**  
L.



500  
⇕  
0

Med

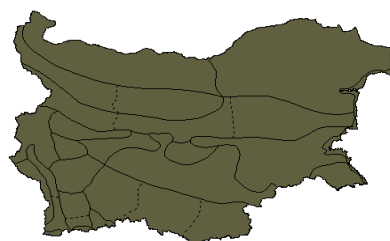
**Tilia platyphyllos**  
Scop.



1600  
⇕  
500

Eur

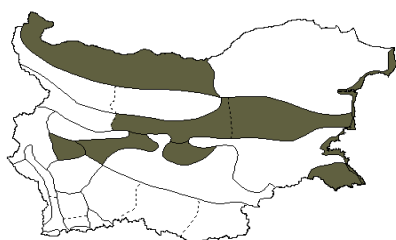
**Tordylium maximum**  
L.



1000  
⇕  
0

subMed

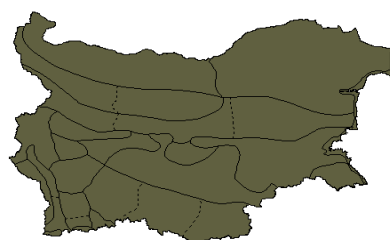
**Tilia rubra**  
DC.



1000  
⇕  
0

Pont

**Torilis arvensis**  
(Hudson) Link



900  
⇕  
0

Eur-As

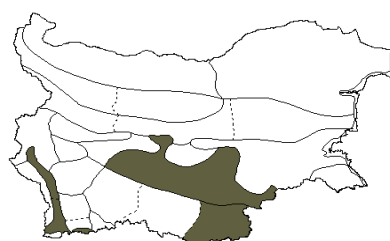
**Tilia tomentosa**  
Moench



1500  
⇕  
800

Eur-Med

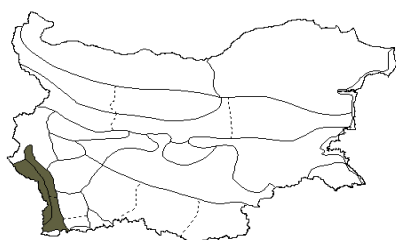
**Torilis heterophylla**  
Guss.



400  
⇕  
0

Pont-Med

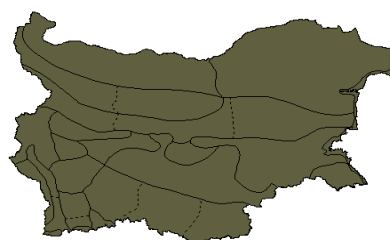
**Tolpis barbata**  
(L.) Gaertn.



1000  
⇕  
0

Med

**Torilis japonica**  
(Houtt.) DC.

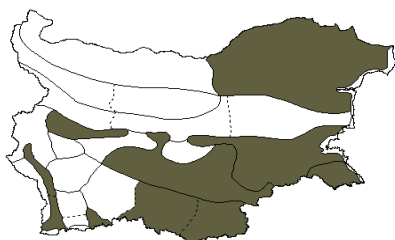


1200  
⇕  
0

Eur-As

### **Torilis leptophylla**

(L.) Rchb. f.



800

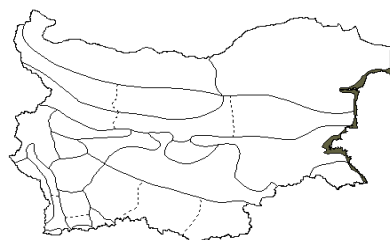


0

Med-CAs

### **Trachomitum venetum**

(L.) Woodson



0



0



Pont-Med

### **Torilis nodosa**

(L.) Gaertn.



600

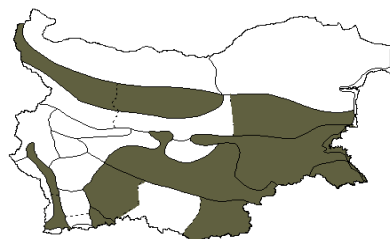


0

Eur-As

### **Trachynia distachya**

(L.) Link



600



0

Med-As

### **Torilis ucranica**

Spreng.



600

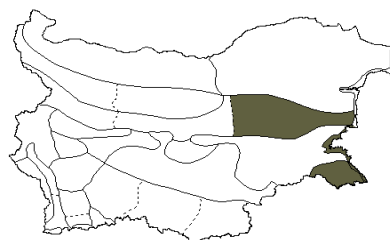


0

SPont

### **Trachystemon orientalis**

(L.) G. Don



1000

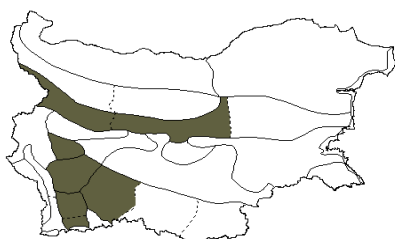


0

SEux

### **Tozzia carpatica**

Waloszcz.



2900



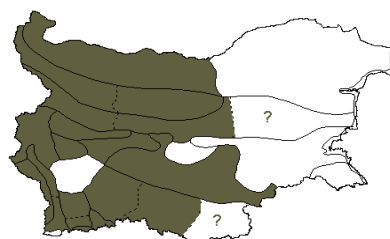
1000



Alp-Med

### **Tragopogon balcanicum**

Velen.



1000

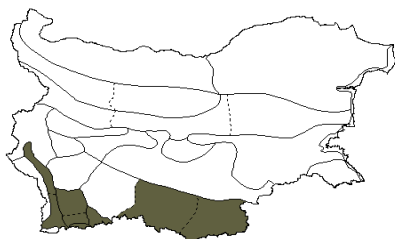


0

Bal-Carp

### **Trachelium rumelianum**

Hampe



1500



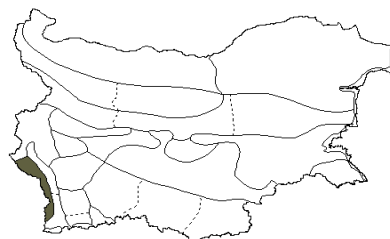
250



Bal

### **Tragopogon crocifolius**

L.



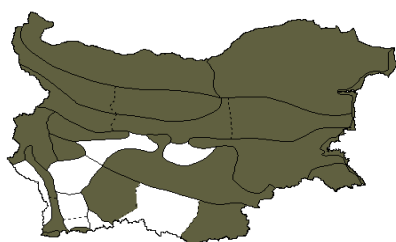
800



800

Med

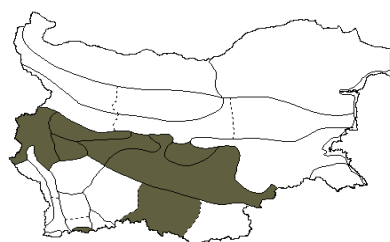
# **Tragopogon dubius** Scop.



1000  
⇕  
0

Eur-Med

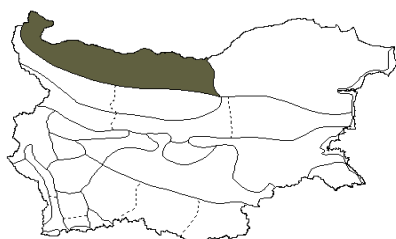
# **Tragopogon pterodes** Pančić



1500  
⇕  
0

Bal-Anat

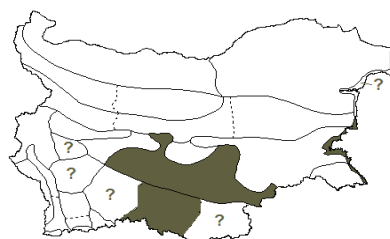
# **Tragopogon floccosus** Waldst. & Kit.



200  
⇕  
0

! Pann

# **Tragopogon strybrnyi** Hayek



1000  
⇕  
0

! Bul

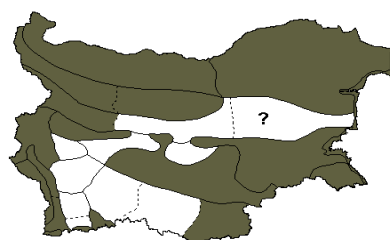
# **Tragopogon orientalis** L.



1000  
⇕  
0

Eur-Med

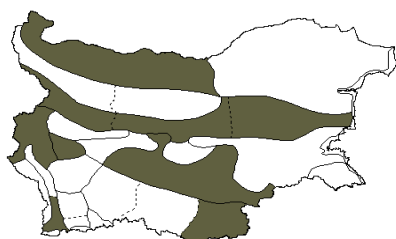
# **Tragus racemosus** (L.) All.



1300  
⇕  
0

subBoreal

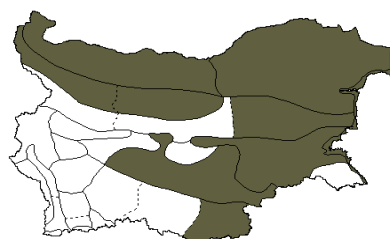
# **Tragopogon porrifolius** L.



1000  
⇕  
0

Med

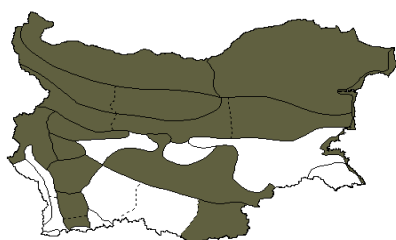
# **Trapa natans** L.



500  
⇕  
0

! Eur-As

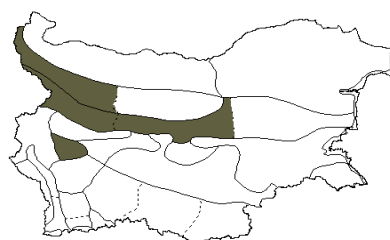
# **Tragopogon pratensis** L.



1000  
⇕  
0

Eur-Med

# **Traunsteinera globosa** (L.) Rchb.

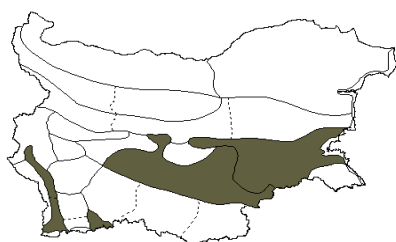


2000  
⇕  
1200

! Pont-Med

# **Tremastelma palaestinum**

(L.) Janch.



1000

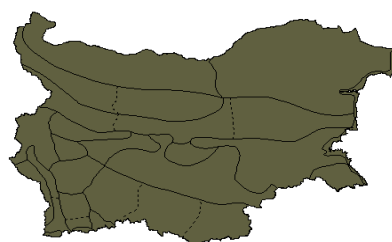


0

Med

# **Trifolium alpestre**

L.



2000



600

Eur-Sib

# **Tribulus terrestris**

L.



800

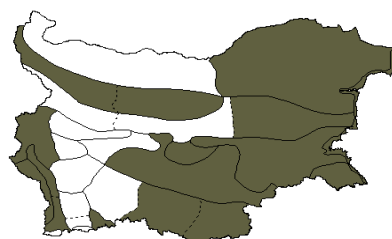


0

Eur-As

# **Trifolium angustifolium**

L.



1000

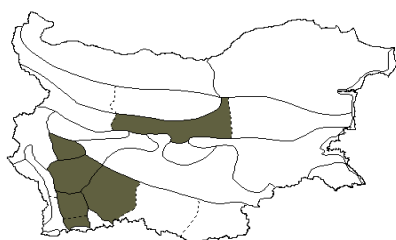


0

Med

# **Trichophorum caespitosum**

(L.) Hartm.



2500

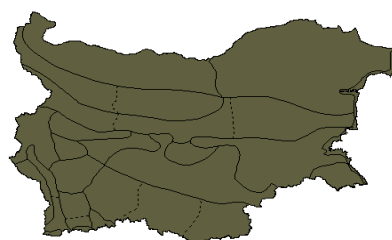


1600

Boreal

# **Trifolium arvense**

L.



1300

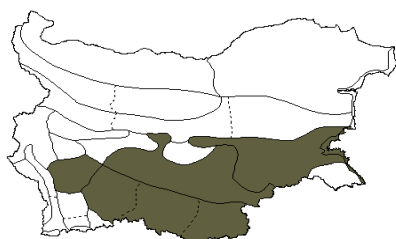


0

Eur-Sib

# **Trifolium affine**

C. Presl



1300

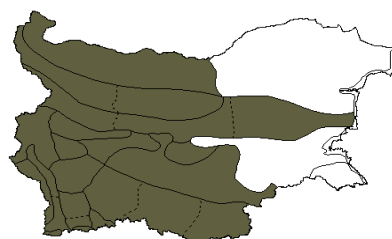


0

Bal-Anat

# **Trifolium aureum**

Pollich



2200

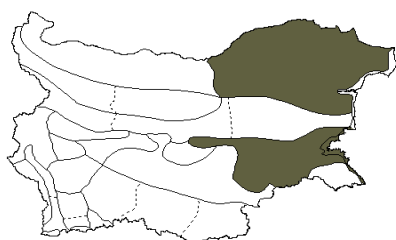


0

Eur-Sib

# **Trifolium alexandrinum**

L.



600

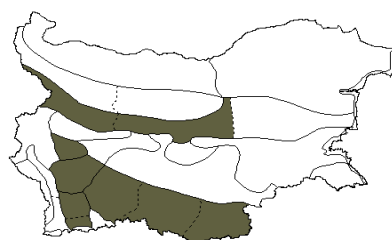


0

Pont-Med

# **Trifolium badium**

Schreb.



2500



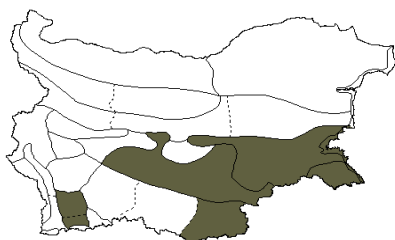
1500

Alp-Med



### Trifolium bocconeii

Savi



500

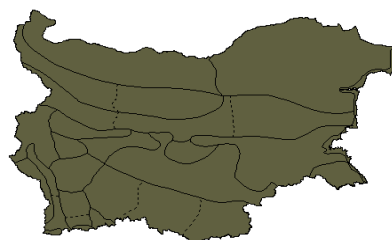


0

subMed

### Trifolium dubium

Sibth.



1300



0

Eur-Med

### Trifolium campestre

Schreb



1000



0

Eur-Med

### Trifolium echinatum

M. Bieb.



700

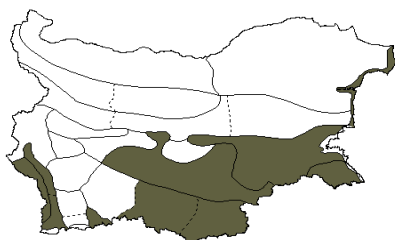


0

Med

### Trifolium cherleri

L.



700

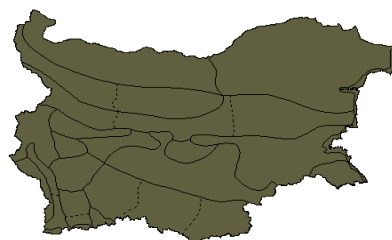


0

Med

### Trifolium fragiferum

L.



1000

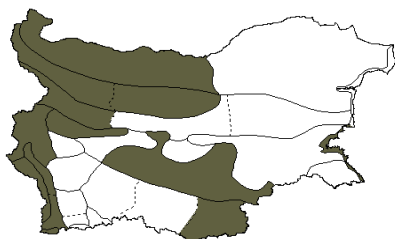


0

Eur-As

### Trifolium dalmaticum

Vis.



800

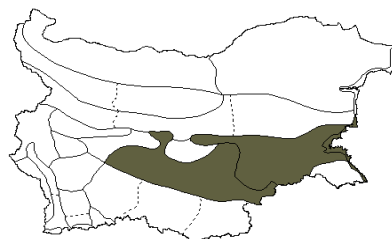


0

subBal

### Trifolium globosum

L.



500



0

Bal-Anat

### Trifolium diffusum

Ehrh.



1500

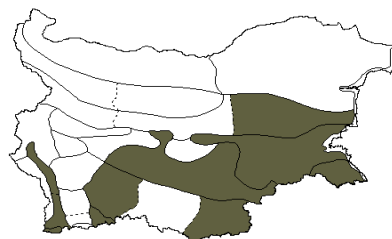


0

subMed

### Trifolium glomeratum

L.



500

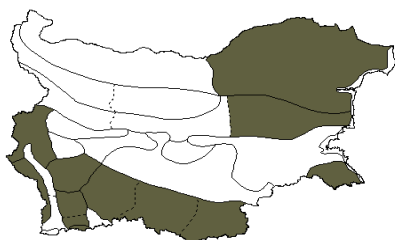


0

subMed

### Trifolium heldreichianum

Hauskn.



1600

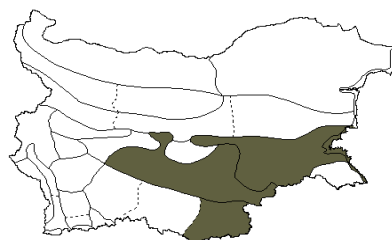


0

Bal-Anat

### Trifolium latum

Sebast.



600



0

Med

### Trifolium hirtum

All.



1000

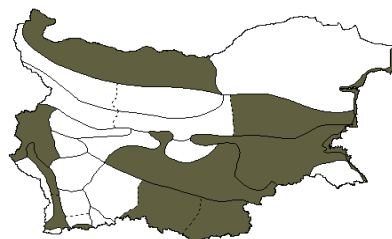


0

Med

### Trifolium leucanthum

M. Bieb.



500



0

Pont-Med

### Trifolium hybridum

L.



1800

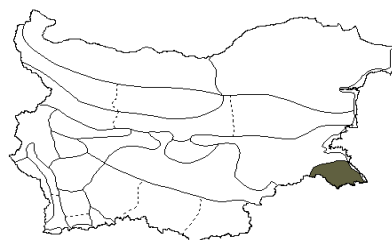


0

Eur-Med

### Trifolium ligusticum

Balb. ex Loisel.



500



0

Med

### Trifolium incarnatum

L.



1200



0

subMed

### Trifolium medium

L.



1800

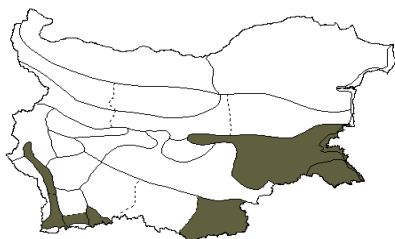


0

Eur-As

### Trifolium lappaceum

L.



900

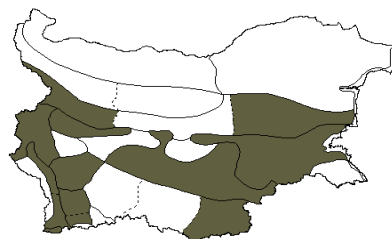


0

Med

### Trifolium michelianum

Savi



1300



0

subMed

### **Trifolium micranthum**

Viv.



1000

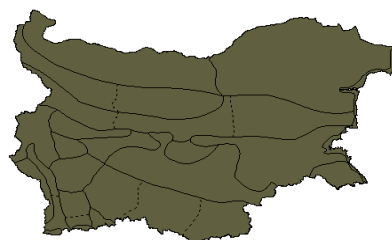


0

Eur-Med

### **Trifolium pallidum**

Waldst. & Kit.



1600



0

subMed

### **Trifolium montanum**

L.



2000



0

SPont

### **Trifolium pannonicum**

Jacq.



1500

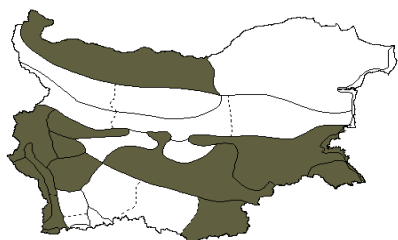


0

subMed

### **Trifolium nigrescens**

Viv.



1000

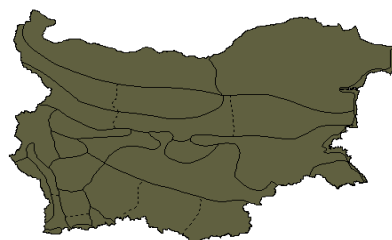


0

Pont-Med

### **Trifolium patens**

Schreb.



2200



0

subMed

### **Trifolium ochroleucon**

Huds.



1600

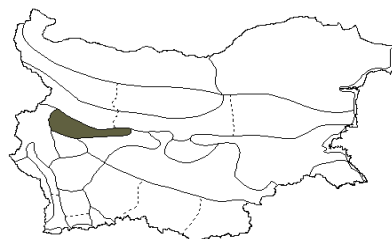


0

Eur

### **Trifolium phleoides**

Pourret ex Willd.



700

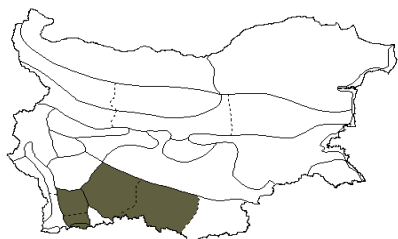


0

Pont-Med

### **Trifolium pallescens**

Schreb.



1800

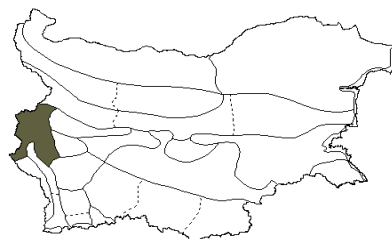


800

subMed

### **Trifolium physodes**

Steven ex M. Bieb.



500

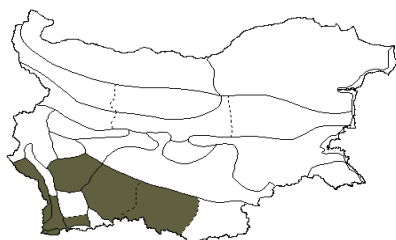


0

Med

### **Trifolium pignantii**

Fauché & Chaub.



1500

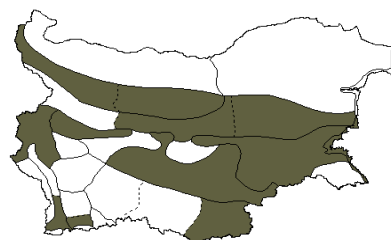


0

Bal

### **Trifolium retusum**

L.



1200



0

Med

### **Trifolium pratense**

L.



2200

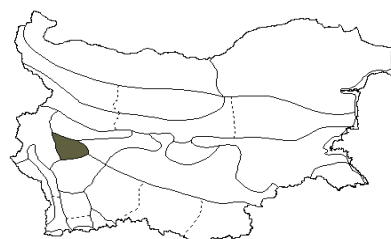


0

subBoreal

### **Trifolium rubens**

L.



800

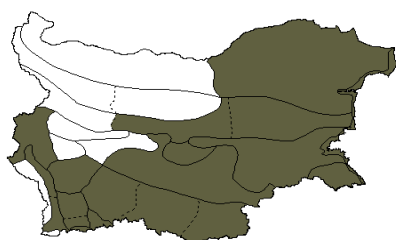


0

Pont-Med

### **Trifolium purpureum**

Loisel.



1100

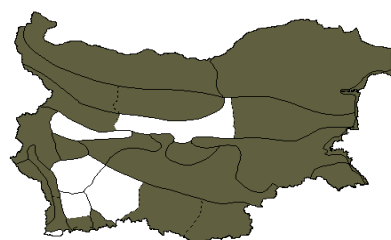


0

Med

### **Trifolium scabrum**

L.



800



0

Med-As

### **Trifolium repens**

L.



2800

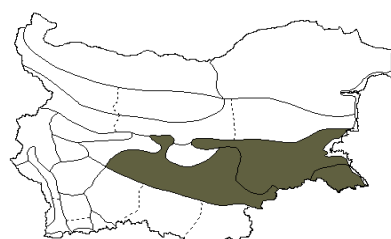


0

Eur-Sib

### **Trifolium sebastianii**

Savi



300

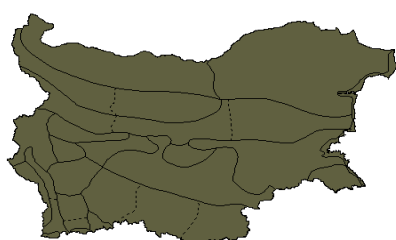


0

Med

### **Trifolium resupinatum**

L.



800

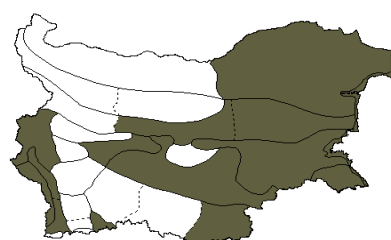


0

Med

### **Trifolium setiferum**

Boiss.



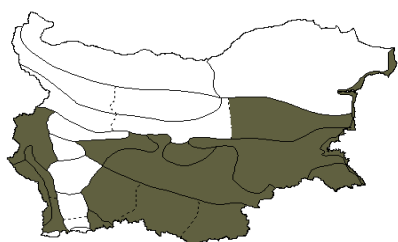
800



0

Med

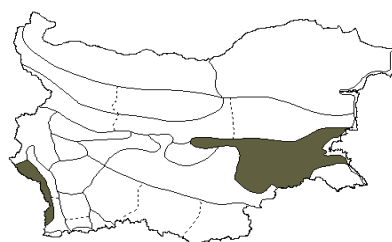
**Trifolium smyrnaeum**  
Boiss.



900  
⇕  
0

Med

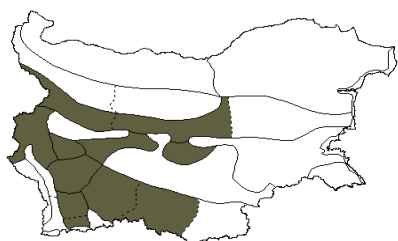
**Trifolium squarrosum**  
L.



500  
⇕  
0

Med

**Trifolium spadiceum**  
L.



2200  
⇕  
0

subMed

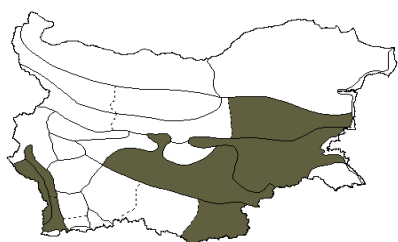
**Trifolium striatum**  
L.



1000  
⇕  
0

Eur-Med

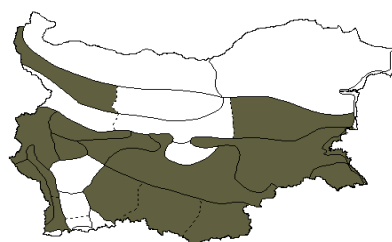
**Trifolium speciosum**  
Willd.



800  
⇕  
0

Pont-Med

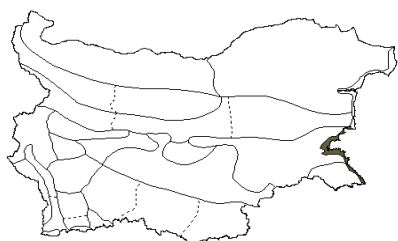
**Trifolium strictum**  
L.



800  
⇕  
0

Eur-Sib

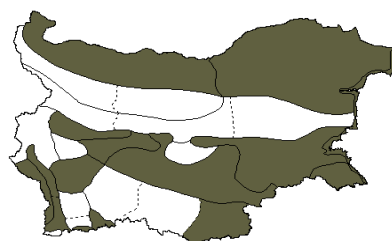
**Trifolium spumosum**  
L.



100  
⇕  
0

Med

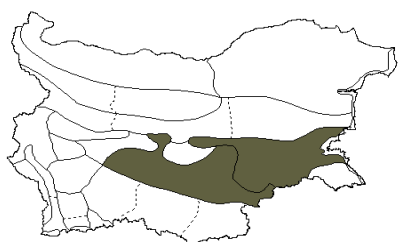
**Trifolium subterraneum**  
L.



500  
⇕  
0

subMed

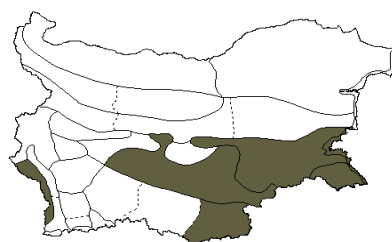
**Trifolium squamosum**  
L.



500  
⇕  
0

Pont-Med

**Trifolium suffocatum**  
L.

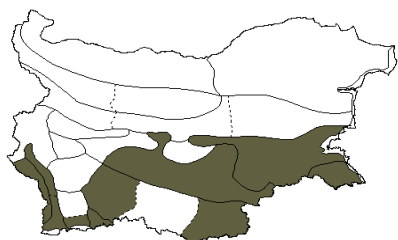


500  
⇕  
0

subMed

### *Trifolium tenuifolium*

Ten.



800



0

Med

### *Trigonella coerulea*

(L.) Ser.



600

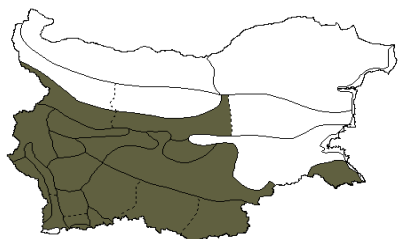


0

Eur-Med

### *Trifolium trichopterum*

Pančić



1600

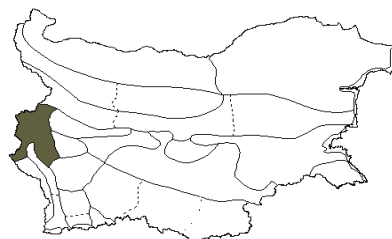


0

Bal

### *Trigonella corniculata*

L.



500

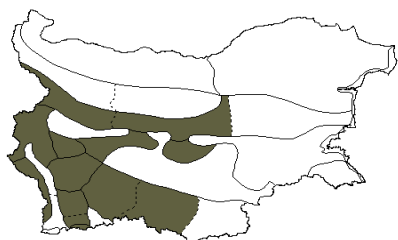


0

Med

### *Trifolium velenovskyi*

Vandas



2000

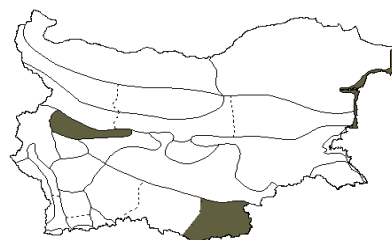


800

Bal

### *Trigonella foenum-graecum*

L.



700

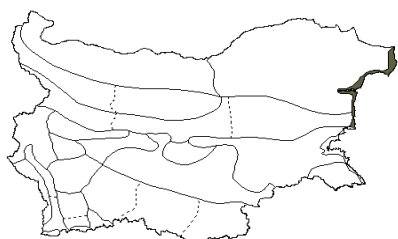


0

Adv

### *Triglochin maritima*

L.



0



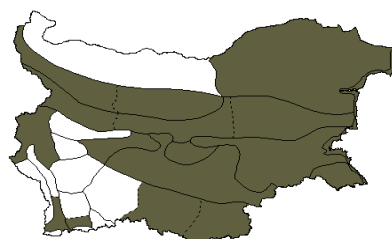
0



Kos

### *Trigonella gladiata*

Steven ex M. Bieb.



500

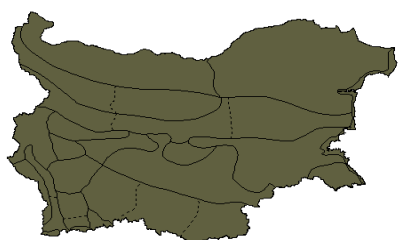


0

subMed

### *Triglochin palustris*

L.



1800

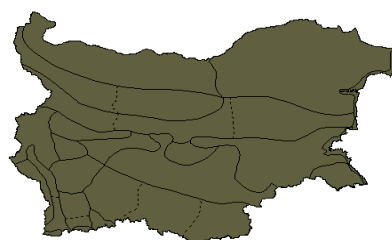


0

Boreal

### *Trigonella monspeliaca*

L.



800

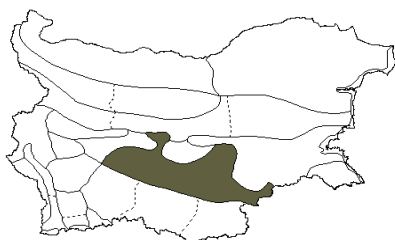


0

subMed

# *Trigonella orthoceras*

Kar. & Kir.



150

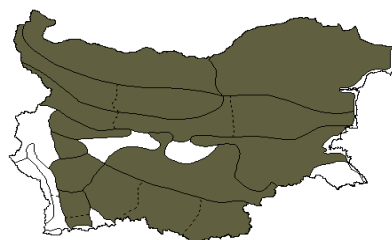


0

Pont-Sib

# *Trinia ramosissima*

(Fisch. ex Trev.) Koch



1200



0

Eur

# *Trigonella procumbens*

(Besser) Rchb.



1000

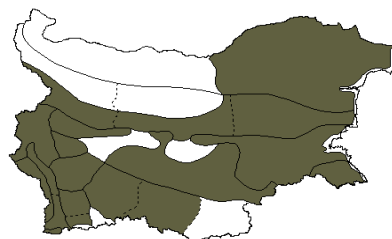


0

Pont-Med

# *Trisetum flavescens*

(L.) P. Beauv.



2400

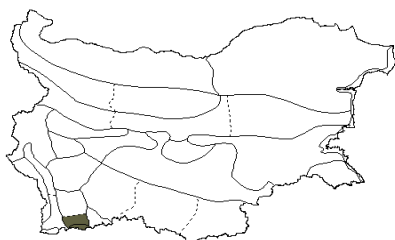


0

Boreal

# *Trigonella spicata*

Sm.



200

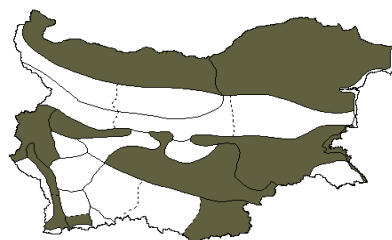


0

Pont-Med

# *Triticum baeoticum*

Boiss.



500

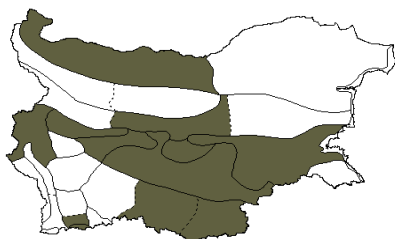


0

Pont

# *Trigonella striata*

L.



800

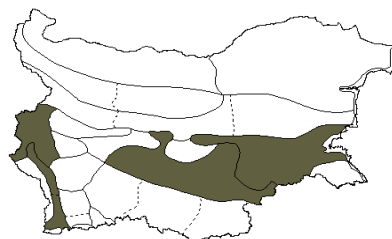


0

Pont-Bal

# *Triticum monococcum*

L.



300



0

Adv (subMed)

# *Trinia glauca*

(L.) Dumort.



2000



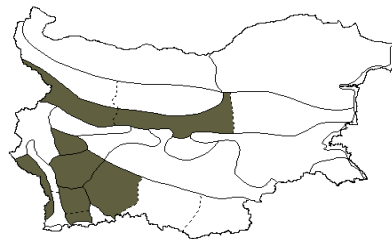
0



subMed

# *Trollius europaeus*

L.



2900



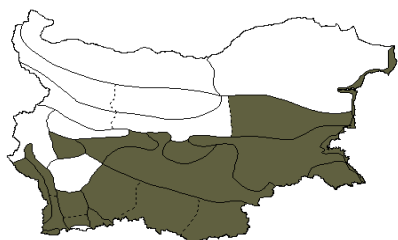
1900



Boreal

### *Tuberaria guttata*

(L.) Fourr.



700

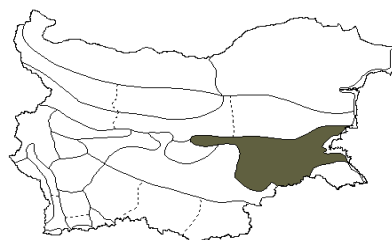


0

subMed

### *Tulipa splendens*

Delip.



200



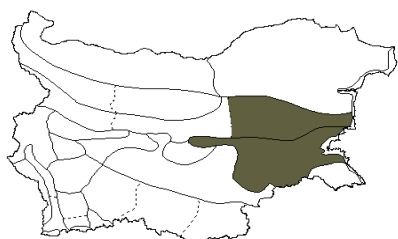
0



Bul

### *Tulipa aureolina*

Delip.



100



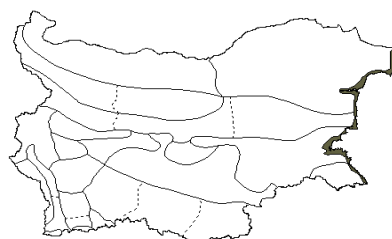
0



Bul

### *Tulipa thracica*

Davidov



100



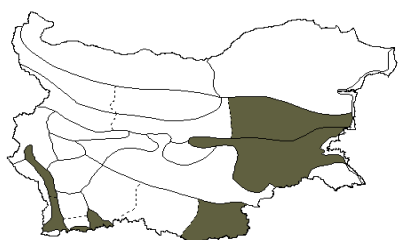
0



Bal-Anat

### *Tulipa australis*

Link



1500



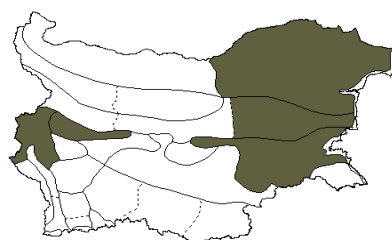
0



subMed

### *Tulipa urumoffii*

Hayek



1000



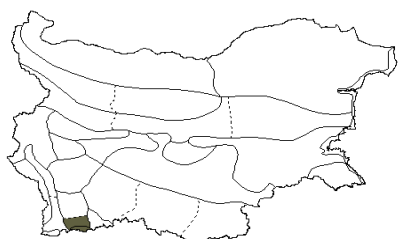
0



Bul

### *Tulipa pirinica*

Delip.



1300



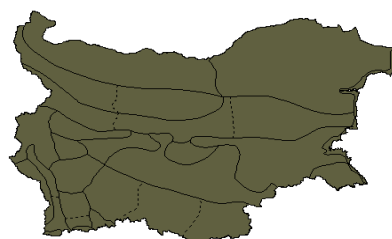
800



Bul

### *Turgenia latifolia*

(L.) Hoffm.



1300

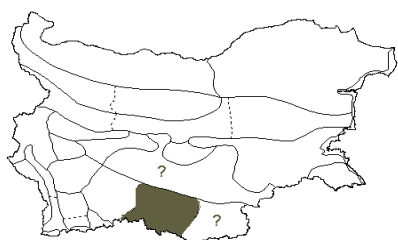


0

Eur-As

### *Tulipa rhodopea*

Velen.



1800



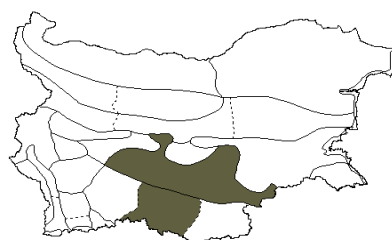
0



Bul

### *Turgeniopsis foeniculacea*

(Fenzl) Boiss.



300



0



Med



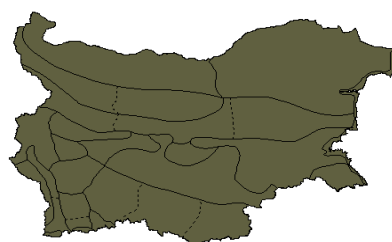
**Tussilago farfara**  
L.



1500  
⇕  
0

Eur-As

**Typha schuttleworthii**  
Koch & Sond.



1500  
⇕  
0

!

Kos

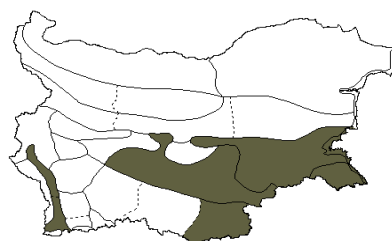
**Typha angustifolia**  
L.



1000  
⇕  
0

Kos

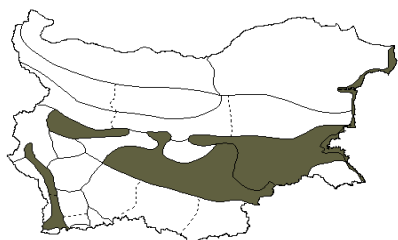
**Tyrimnus leucographus**  
(L.) Cass.



1000  
⇕  
0

Med

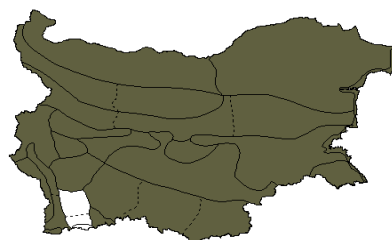
**Typha domingensis**  
(Pers.) Steud.



500  
⇕  
0

SEur

**Ulmus glabra**  
Huds.



1500  
⇕  
500

Eur-Med

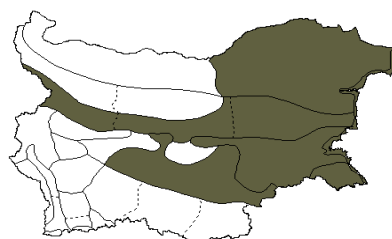
**Typha latifolia**  
L.



1500  
⇕  
0

Kos

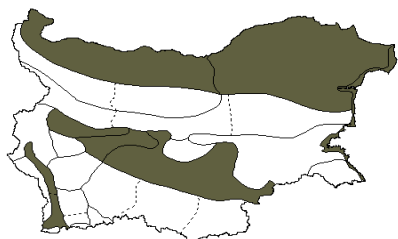
**Ulmus laevis**  
Pall.



700  
⇕  
0

Eur-Med

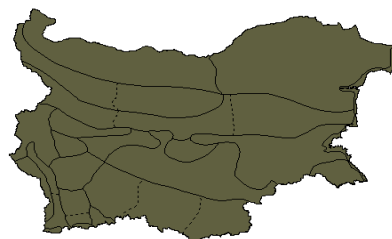
**Typha laxmanii**  
Lepech.



300  
⇕  
0

Med-As

**Ulmus minor**  
Mill.

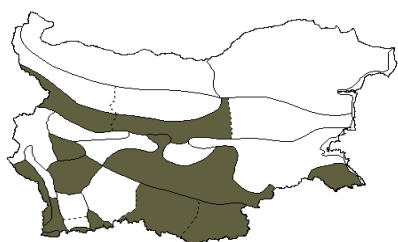


700  
⇕  
0

Eur-Med

### Umbilicus erectus

DC.



1500

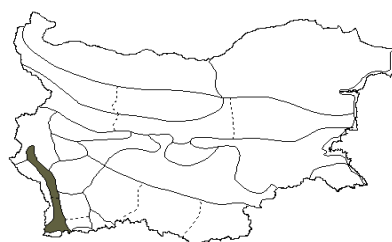


0

Med

### Urtica pilulifera

L.



300

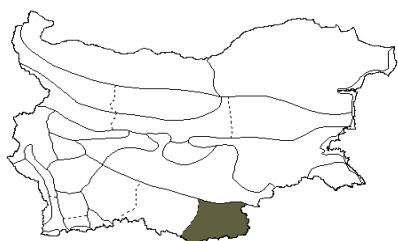


300

Med

### Umbilicus horizontalis

(Guss.) DC.



300



0

Med

### Urtica urens

L.



1700

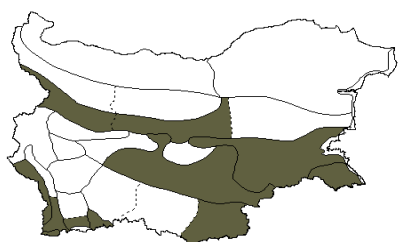


0

Boreal

### Umbilicus rupestris

(Salisb.) Dandy



800

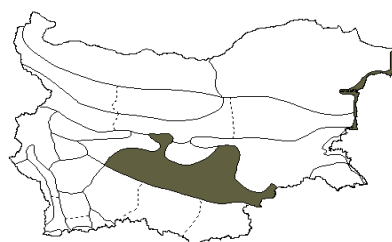


0

subMed

### Utricularia australis

R. Br.



200



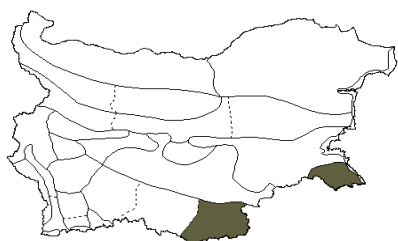
0



Kos

### Urospermum picroides

(L.) Scop. ex F. W. Schmidt



300



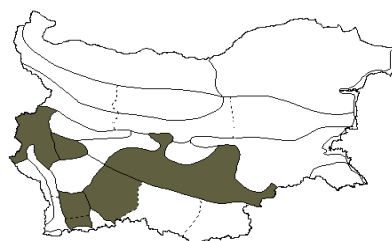
0



Med-OT

### Utricularia minor

L.



2800



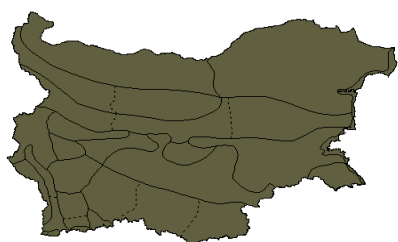
200



subBoreal

### Urtica dioica

L.



1700

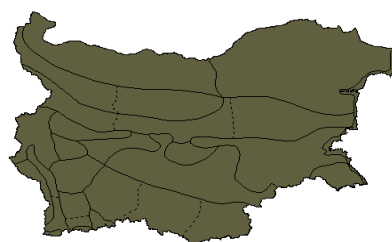


0

Boreal

### Utricularia vulgaris

L.



2000



0

subBoreal

### *Vaccaria hispanica*

(Mill.) Rasch.



1200

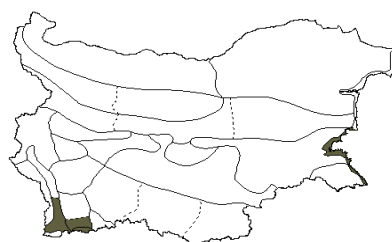


0

Kos

### *Valeriana dioscoridis*

Sm.



400

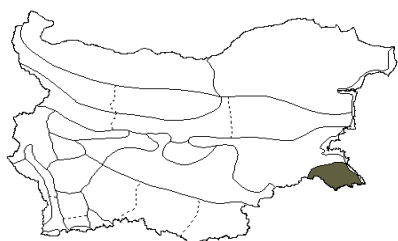


0

Pont-Med

### *Vaccinium arctostaphylos*

L.



300



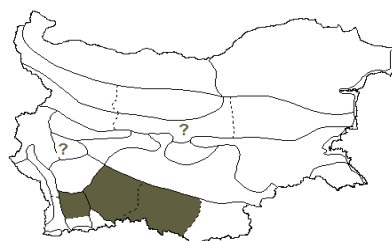
150



Pont

### *Valeriana montana*

L.



1800

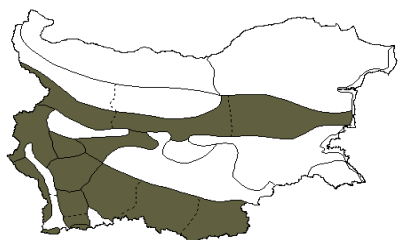


1300

Alp-Carp-Bal

### *Vaccinium myrtillus*

L.



2200

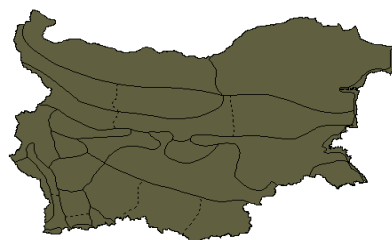


1000

Boreal

### *Valeriana officinalis*

L.



2200

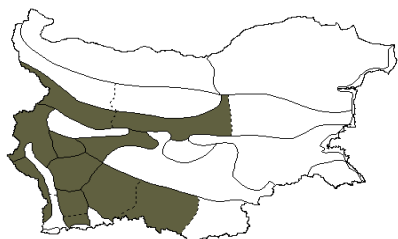


100

Eur-Sib

### *Vaccinium uliginosum*

L.



2500

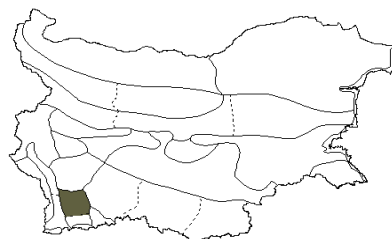


1700

Boreal

### *Valeriana simplicifolia*

(Rchb.) Kabath



1400



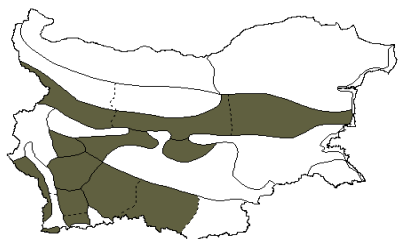
1300



Eur

### *Vaccinium vitis-idaea*

L.



2000

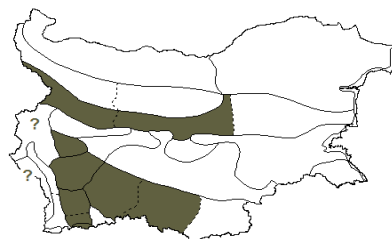


700

Boreal

### *Valeriana tripteris*

L.



2400

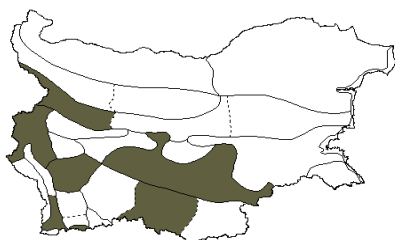


900

Eur

### Valeriana tuberosa

L.



1500

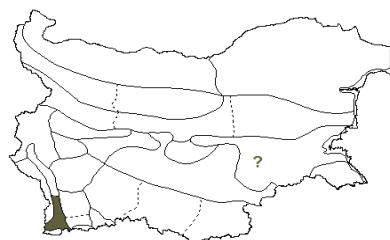


700

Med-CAs

### Valerianella discoidea

(L.) Loisel.



300



0

Med

### Valerianella carinata

Loisel.



1300

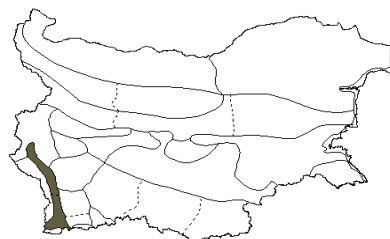


0

Eur-Med

### Valerianella eriocarpa

Desv.



500



0

Med

### Valerianella coronata

(L.) DC.



900

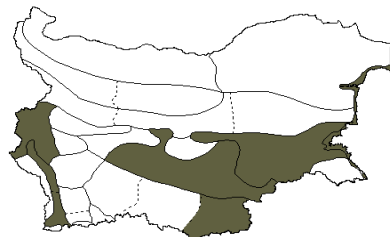


0

Eur-Med

### Valerianella kotschyi

Boiss.



300

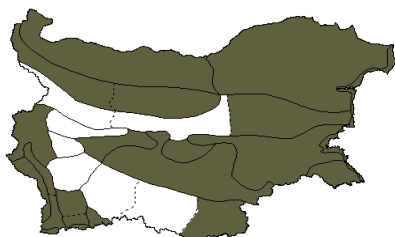


0

Pont-CAs

### Valerianella costata

(Steven) Betcke



900

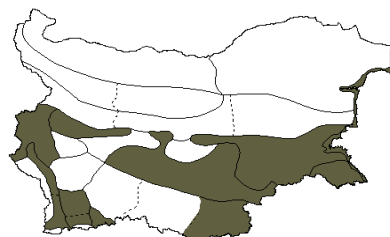


0

Pont-Med

### Valerianella lasiocarpa

(Steven) Betcke



700



500

subMed

### Valerianella dentata

(L.) Poll.



1000

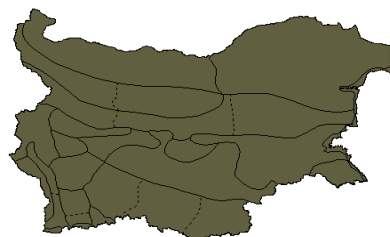


0

Eur-Med

### Valerianella locusta

(L.) Laterr.



900

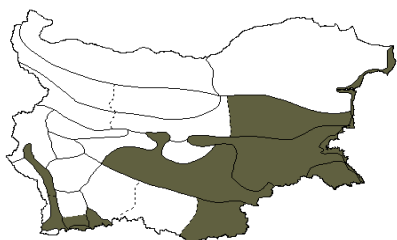


0

Eur-Med

### Valerianella microcarpa

Loisel.



700



0

Eur-Med

### Valerianella turgida

(Steven) Betsche



1000

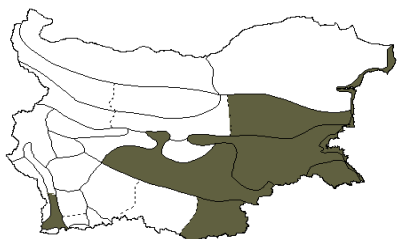


0

subMed

### Valerianella muricata

(Steven ex M. Bieb.) Loudon



500

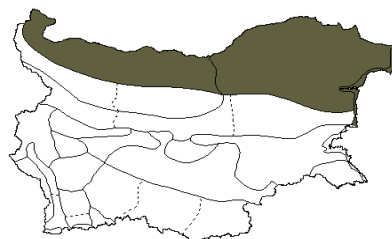


0

Med-CAs

### Vallisneria spiralis

L.



100

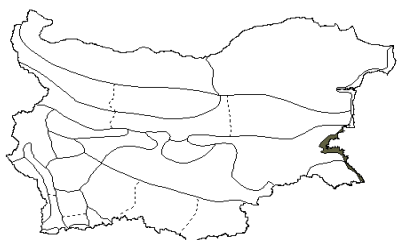


0

Boreal

### Valerianella pontica

Lipsky



300

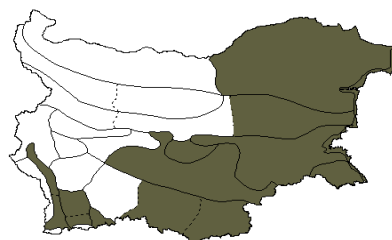


0

Pont

### Velezia rigida

L.



1000

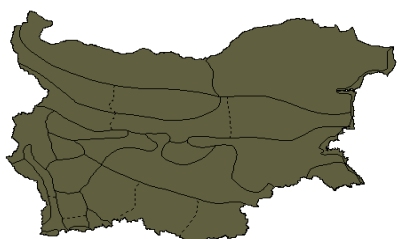


0

subMed

### Valerianella pumila

(L.) DC.



900



0

Pont-Med

### Ventenata dubia

(Leers) Coss.



1000

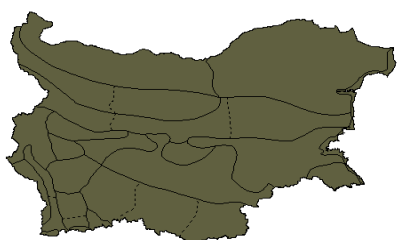


0

Pont-Med

### Valerianella rimosa

Bast.



900

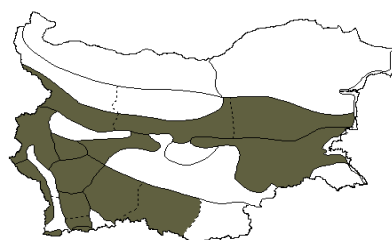


0

Eur

### Veratrum lobelianum

Bernh.



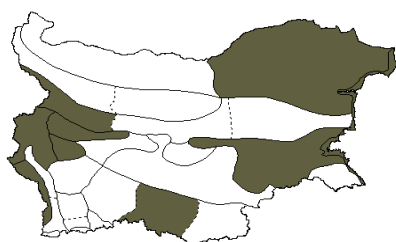
2900



1000

Eur-As

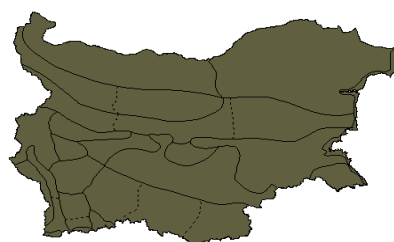
# **Veratrum nigrum** L.



1500  
⇕  
0

Eur-As

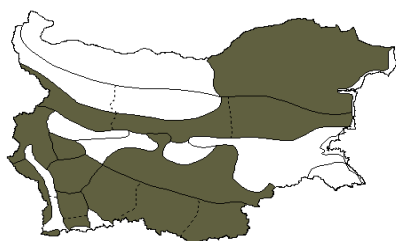
# **Verbascum banaticum** Schrad.



1000  
⇕  
0

Bal-Dac

# **Verbascum abietinum** Borbás



1200  
⇕  
200

Bul-Dac

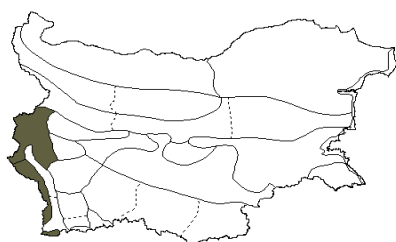
# **Verbascum blattaria** L.



1000  
⇕  
0

Eur-Sib

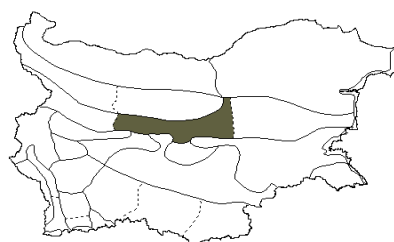
# **Verbascum adamovičii** Velen.



2000  
⇕  
100

Bal

# **Verbascum boevae** Stef.-Gat.

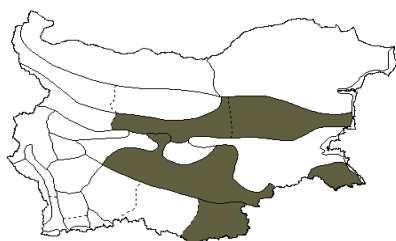


1600  
⇕  
1600

!

Bul

# **Verbascum adrianopolitanum** Podp.

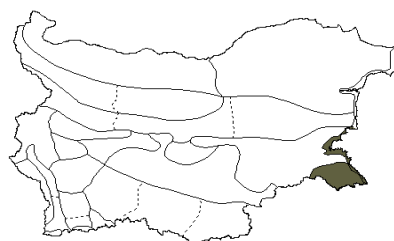


1000  
⇕  
0

!

Bal

# **Verbascum bugulifolium** Lam.

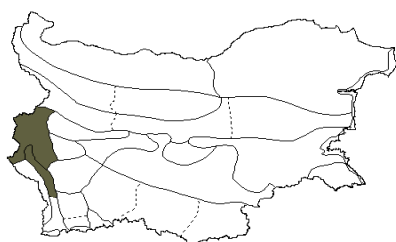


100  
⇕  
0

!

Bal-Anat

# **Verbascum anisophyllum** Murb.

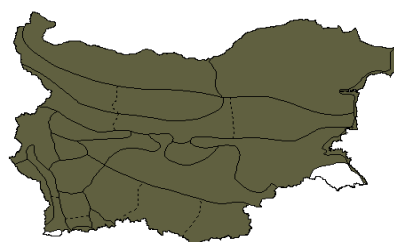


900  
⇕  
400

!

Bal

# **Verbascum chaixii** Vill.

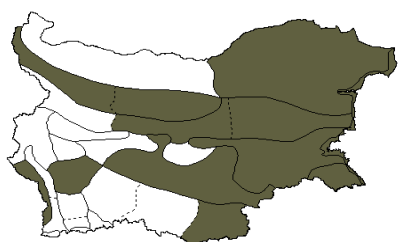


1000  
⇕  
0

Pann-Bal

# **Verbascum crenatifolium**

Boiss.



800

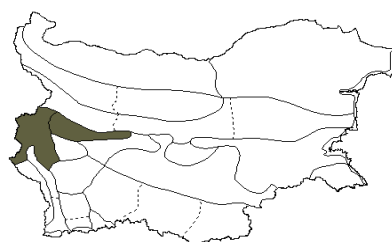


0

Pont-Med

# **Verbascum eriophorum**

Godr.



1000



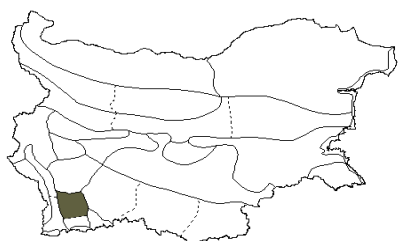
400



Bal

# **Verbascum davidoffii**

Murb.



2100



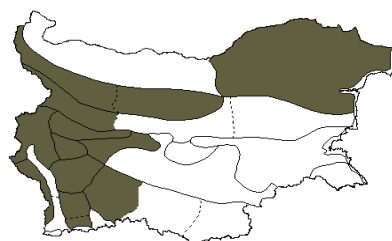
1300



Bul

# **Verbascum formanekii**

Borbás ex Formánek



1000

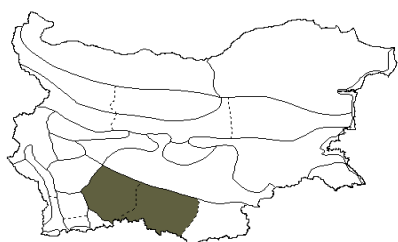


300

Bul

# **Verbascum decorum**

Velen.



600



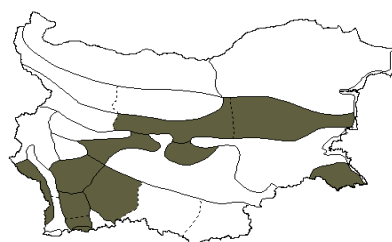
200



Bul

# **Verbascum glabratum**

Friv.



1800



200

Carp-Bal

# **Verbascum densiflorum**

Bertol.



2000

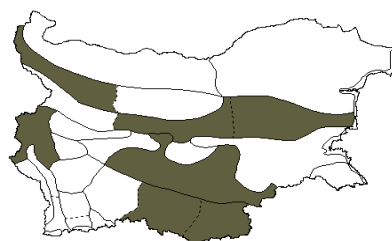


0

subMed

# **Verbascum humile**

Janka



1800

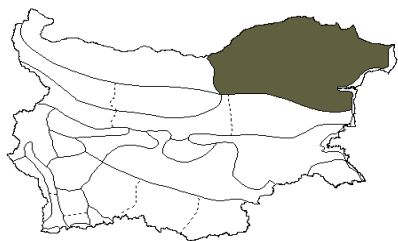


100

Bal

# **Verbascum dieckianum**

Borbás & Degen



100



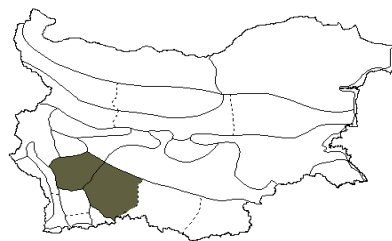
0



Bal

# **Verbascum jankaeum**

Pančić



1900



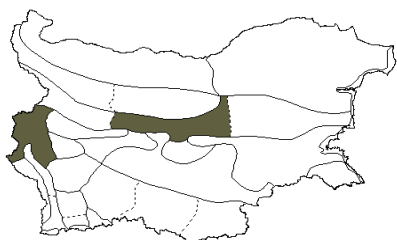
1400



Bul

### **Verbascum jordanovii**

Stef.-Gat.



1000



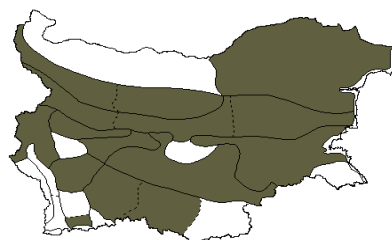
700



Bul

### **Verbascum lychnitis**

L.



1800

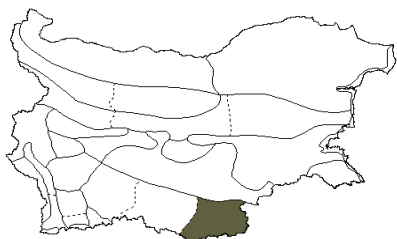


200

Ap-Bal

### **Verbascum juruk**

Stef.



300



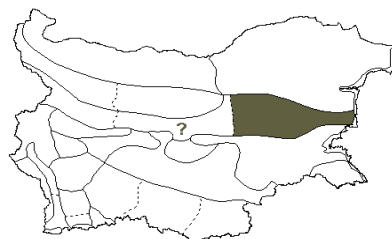
300



Bul

### **Verbascum minutiflorum**

Stef.



1000



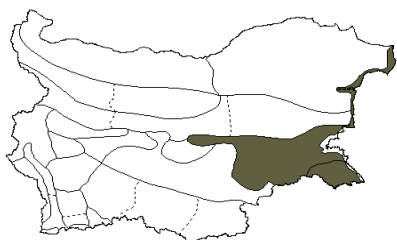
0



Bul

### **Verbascum lagurus**

Fisch. & C. A. Mey.



800



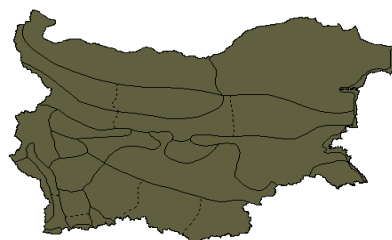
300



Pont-Med

### **Verbascum nigrum**

L.



1000

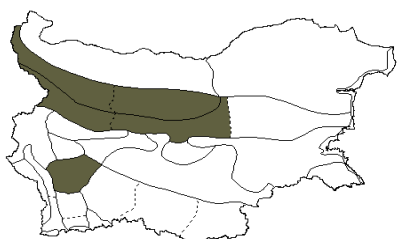


0

Pont-CAs

### **Verbascum lanatum**

Schrad.



2000

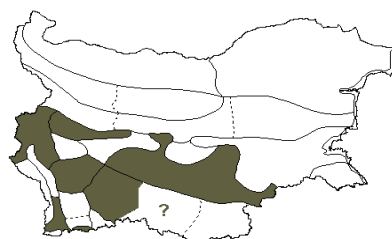


200

Alp-Med

### **Verbascum niveum**

Ten.



1000

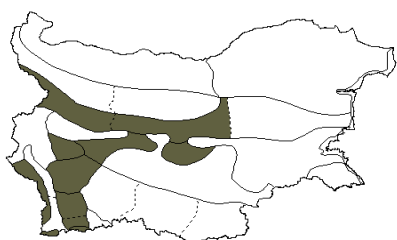


200

Ap-Bal

### **Verbascum longifolium**

Ten.



2800

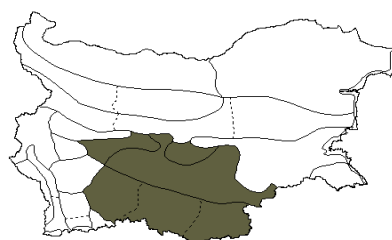


1500

Eur-Med

### **Verbascum nobile**

Velen.



600



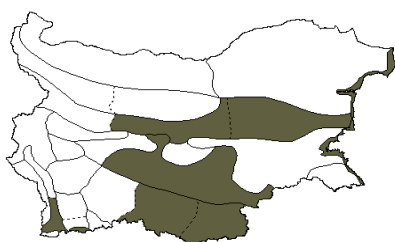
100

Bal



### **Verbascum orientale**

(L.) All.



500

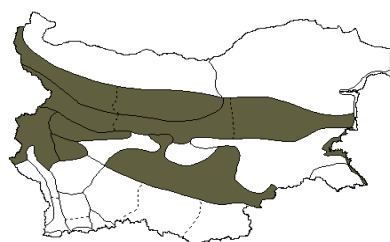


0

Pont-Sib

### **Verbascum pulverulentum**

Vill.



1500

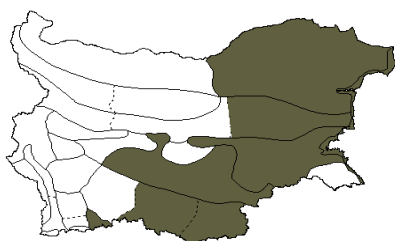


0

subMed

### **Verbascum ovalifolium**

Donn ex Sims



1000

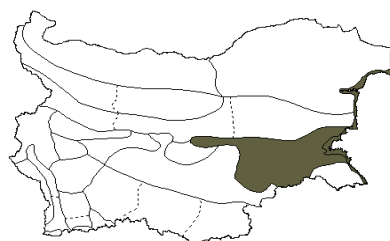


0

Pont-Bal

### **Verbascum purpureum**

(Janka) Hub.-Mor.



200



0



Bal

### **Verbascum phlomoides**

L.



2000

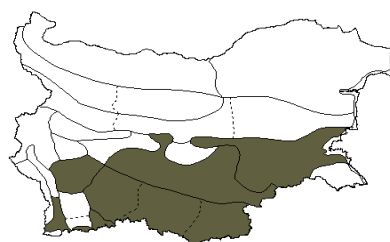


0

Eur

### **Verbascum rorripifolium**

(Halácsy) I. K. Ferguson



800



100

Bal

### **Verbascum phoeniceum**

L.



1000

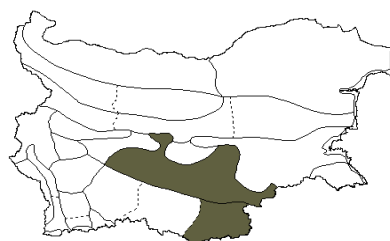


0

Eur-Sib

### **Verbascum rupestre**

(Davidov) I. K. Ferguson



600



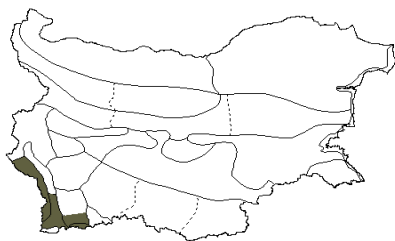
0



Bal

### **Verbascum pseudonobile**

Stoj. & Stef.



400



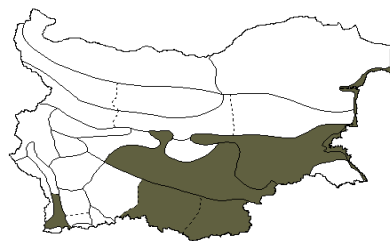
50



Bal

### **Verbascum sinuatum**

L.



1000

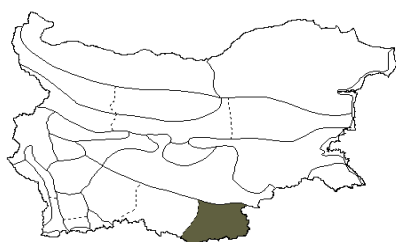


0

Med

## Verbascum spathulisepalum

Greuter & Rech. f.



300



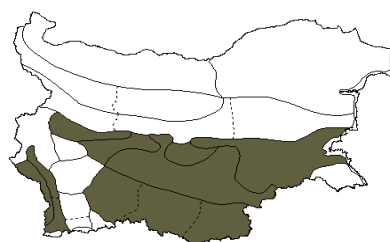
300



Bal

## Verbascum xanthophoeniceum

Griseb.



1200



0

Bal-Anat

## Verbascum speciosum

Schrad.



1800



0

Eur-Med

## Verbena officinalis

Voss.



1000

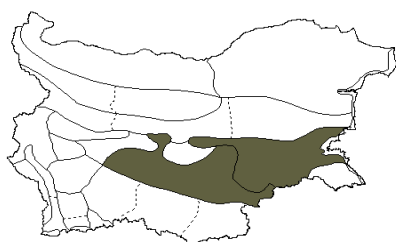


0

Kos

## Verbascum thracicum

Velen.



500



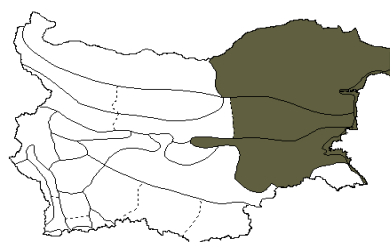
50



Bal-Anat

## Verbena supina

L.



200

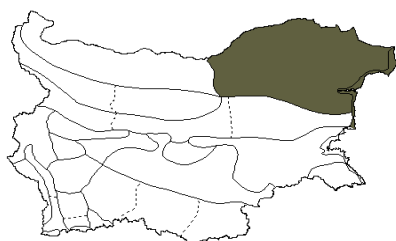


0

subBoreal

## Verbascum tzar-borisii

(Davidov ex Stoj.) Stef.-Gat.



100



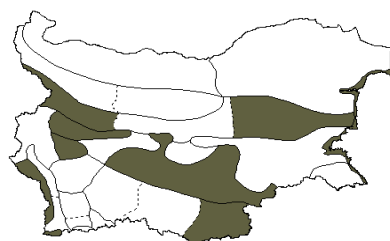
50



Bul

## Veronica acinifolia

L.



1000

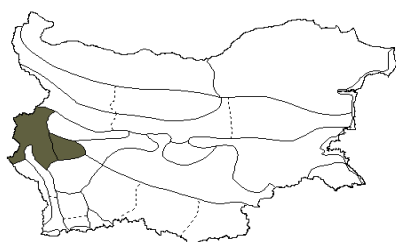


0

subMed

## Verbascum urumoffii

Stoj. & Acht.



1000



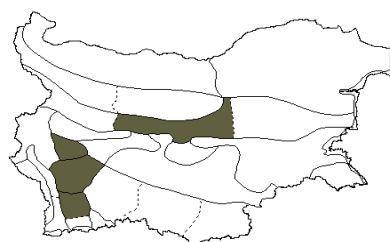
600



Bul

## Veronica alpina

L.



2900



2000

Eur-Jap-Ch

### Veronica anagalis-aquatica

L.



200

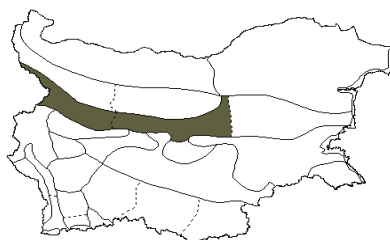


0

Boreal

### Veronica baumgartenii

Roem. & Schult.



2200



2000



Carp-Bal

### Veronica arvensis

L.



1500



0

Eur-Sib

### Veronica beccabunga

L.



2100



0

Eur-As

### Veronica austriaca

L.



1600

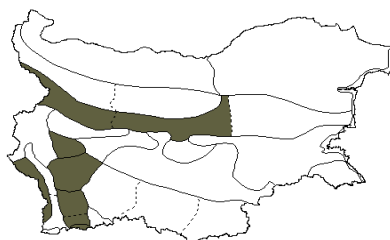


0

Eur-Med

### Veronica bellidioides

L.



2600

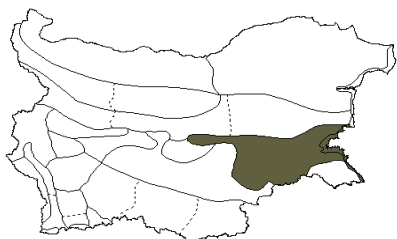


1800

Alp-Med

### Veronica aznavourii

Dörfl.



200

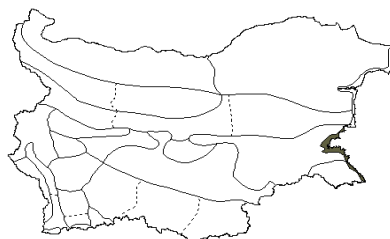


0

Bal-Anat

### Veronica catenata

Pennell



500



0

Eur-As

### Veronica barrelieri

Schott ex Roem. & Schult.



1900



0

Pont-Bal

### Veronica chamaedrys

L.



2700

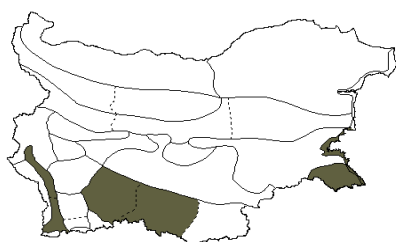


0

Eur-As

# **Veronica cymbalaria**

Bernh.



800

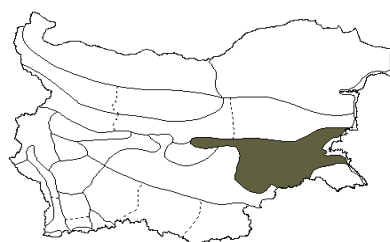


0

Med

# **Veronica glauca**

Sm.



200



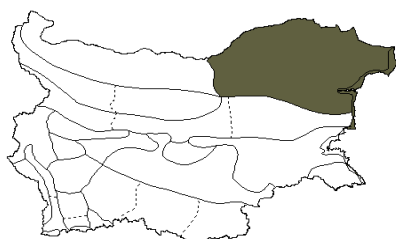
200



Bal

# **Veronica euxina**

Turrill



200



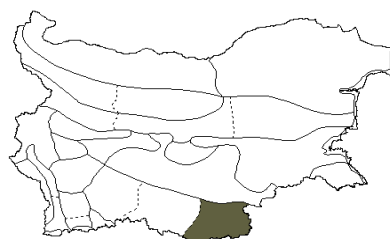
0



Bul

# **Veronica grisebachii**

Walters



500



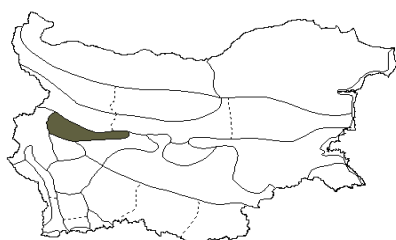
500



Bal-Anat

# **Veronica filiformis**

Sm.



300

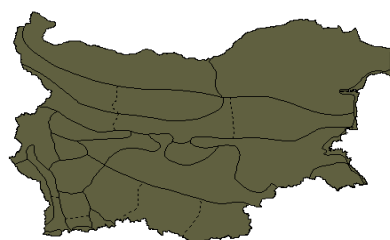


200

Adv

# **Veronica hederifolia**

L.



800

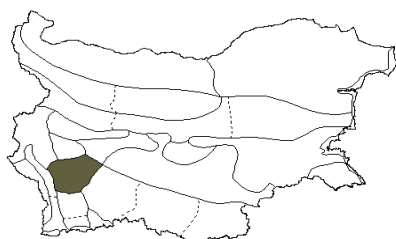


0

Eur-Med

# **Veronica fruticans**

Jacq.



2500

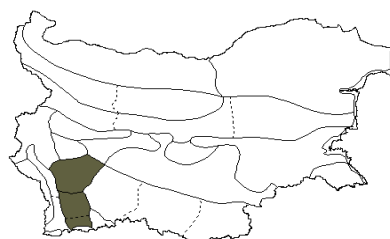


2300

Adv (Alp)

# **Veronica kellererii**

Degen & Urum.



2900

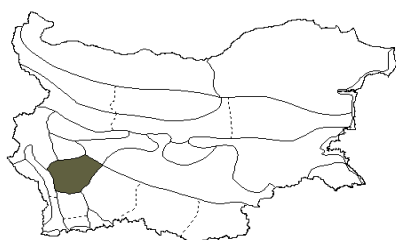


2500

Bul

# **Veronica fruticulosa**

L.



2600

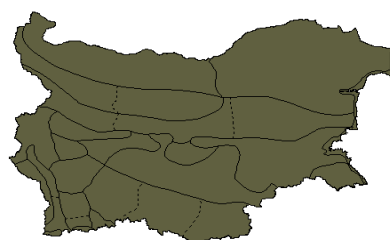


2400

Adv (Alp)

# **Veronica krumovii**

(Peev) Peev



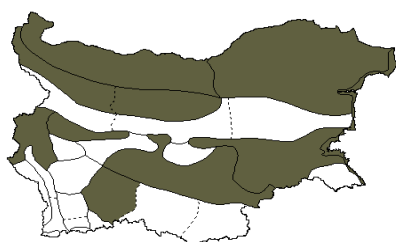
800



0

Bul

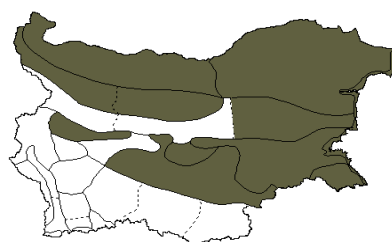
### Veronica longifolia L.



500  
⇕  
0

Eur-CAs

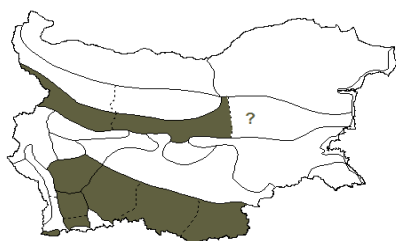
### Veronica orchidea Crantz



1000  
⇕  
0

Eur

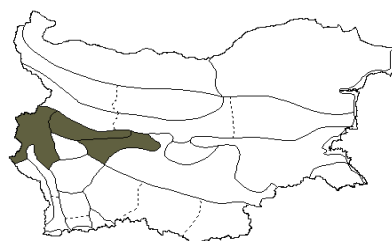
### Veronica montana L.



1700  
⇕  
700

Eur

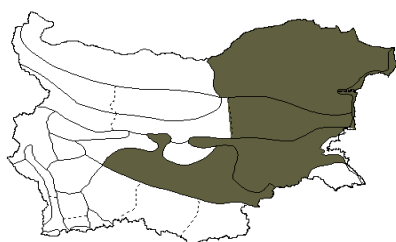
### Veronica pallens Host



1000  
⇕  
0

subMed

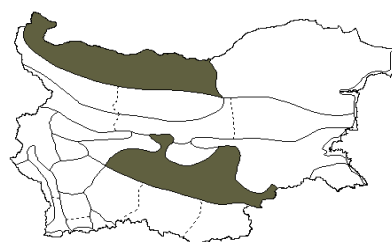
### Veronica multifida L.



200  
⇕  
0

Pont-Med

### Veronica peregrina L.



200  
⇕  
0

Adv

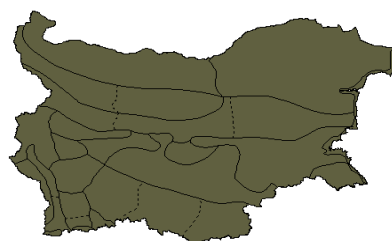
### Veronica officinalis L.



2400  
⇕  
0

Eur-Sib

### Veronica persica Poir.



800  
⇕  
0

Eur-As

### Veronica orbella (Peev) Peev



2500  
⇕  
500

Bul

### Veronica polita Fries

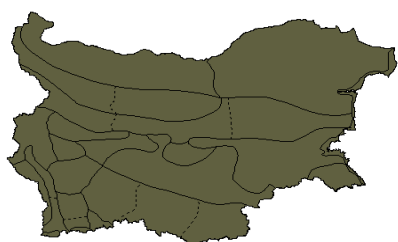


800  
⇕  
0

Eur-As

### Veronica praecox

All.



800

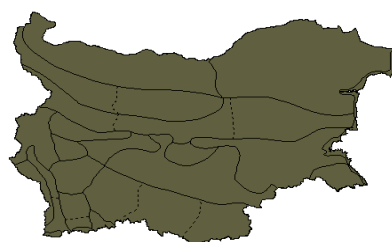


0

Eur-Med

### Veronica serpyllifolia

L.



2500



0

Boreal

### Veronica prostrata

L.



800

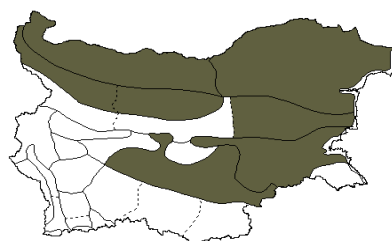


0

Eur

### Veronica spuria

L.



1000

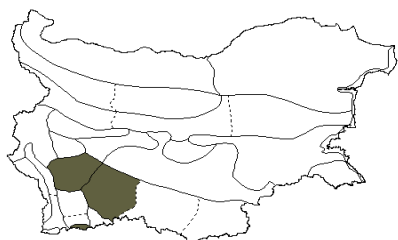


0

Pont-CAs

### Veronica rhodopaea

(Velen.) Degen ex Stoj. & Stef.



2800

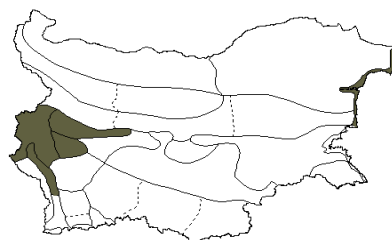


1800

Bal

### Veronica sublobata

M. A. Fisch.



800



0

Eur

### Veronica scardica

Griseb.



1500



0

Pont-Med

### Veronica teucrium

L.



1200



0

Eur-Sib

### Veronica scutellata

L.



1500

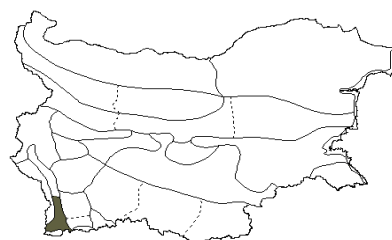


0

Eur

### Veronica trichadena

Jord. & Fourr.



200



0

Med

### Veronica triloba

(Opiz) A. Kern.



800

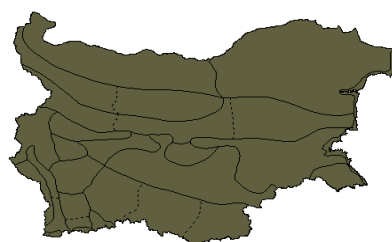


0

subMed

### Veronica vindobonensis

(M. A. Fisch.) M. A. Fisch.



2200



0

Eur

### Veronica triphyllos

L.



700

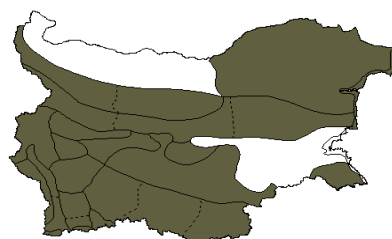


0

Eur-Med

### Viburnum lantana

L.



1500

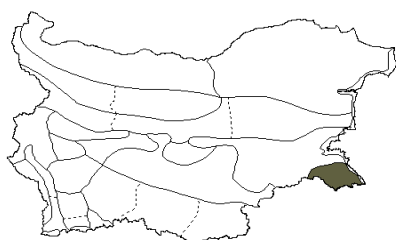


0

Eur-Med

### Veronica turrilliana

Stoj. & Stef.



500



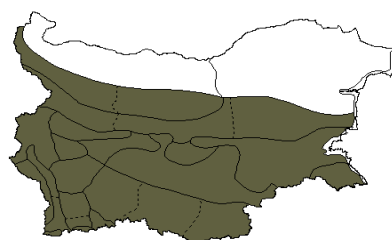
0



Bal

### Viburnum opulus

L.



1500



0

Eur-Sib

### Veronica urticifolia

Jacq.



1900

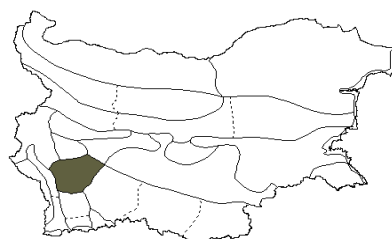


500

Eur

### Vicia abbreviata

Spreng.



1700

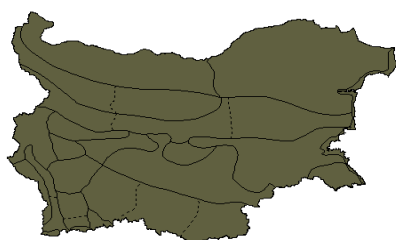


1500

Bal-Eux

### Veronica verna

L.



1500

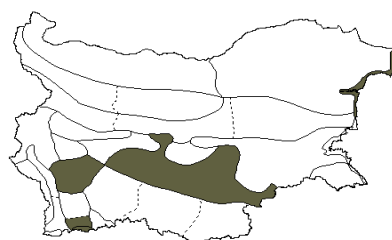


0

Eur-Sib

### Vicia amphicarpa

Dorthes



1300

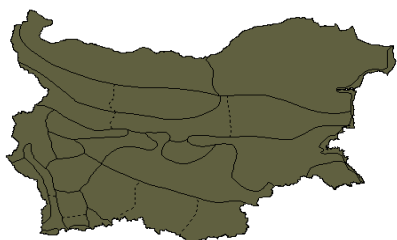


0

Med

### *Vicia angustifolia*

Grußberg



1000

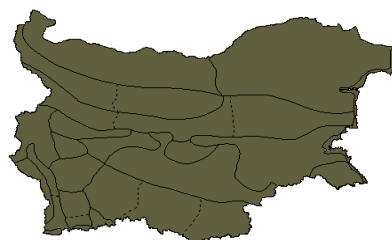


0

Eur-As

### *Vicia cracca*

L.



2000

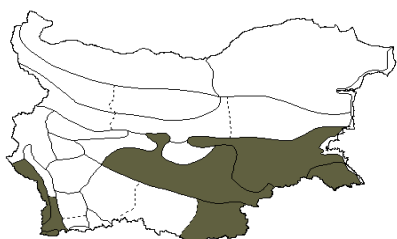


0

Eur-As

### *Vicia articulata*

Hornem.



300

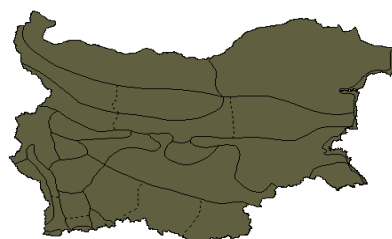


0

subMed

### *Vicia dalmatica*

A. Kern.



2400

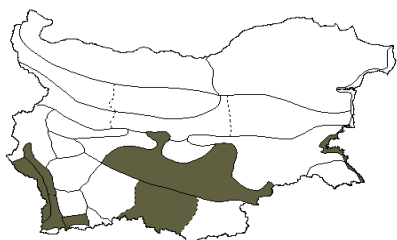


0

subMed

### *Vicia bythinica*

(L.) L.



500

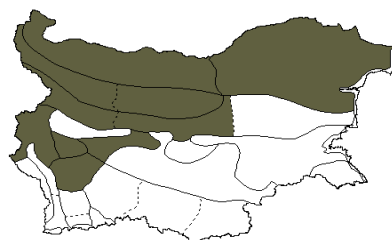


0

subMed

### *Vicia dumetorum*

L.



1500



200

Med

### *Vicia cassubica*

L.



1800



0

Eur-Med

### *Vicia grandiflora*

Scop.



1500

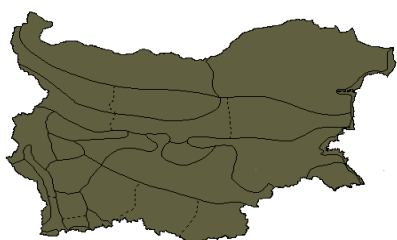


0

subMed

### *Vicia cordata*

Wulfen



500

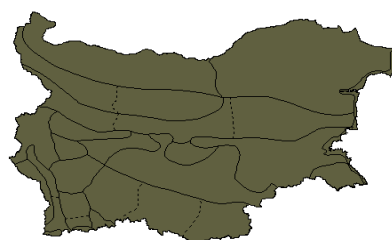


0

Med

### *Vicia hirsuta*

(L.) Gray



1200

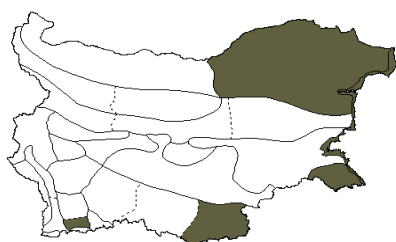


0

Eur-Med



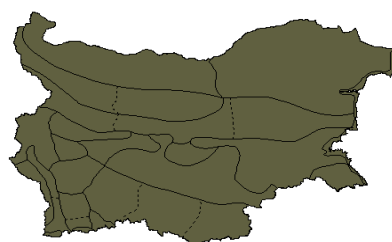
**Vicia hybrida**  
L.



500  
⇕  
0

Med-CAs

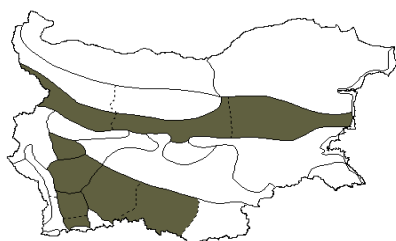
**Vicia lathyroides**  
L.



1000  
⇕  
0

Eur-Med

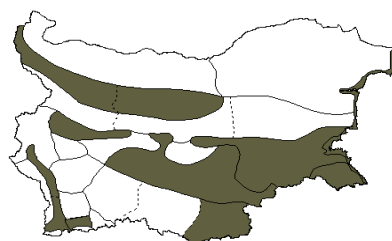
**Vicia incana**  
Gouan



1900  
⇕  
1100

Eur

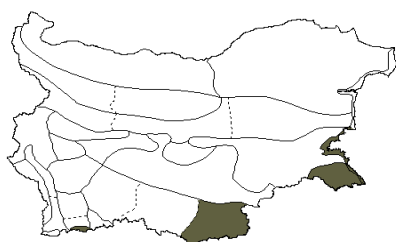
**Vicia lutea**  
L.



300  
⇕  
0

subMed

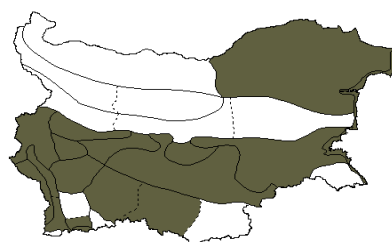
**Vicia incisa**  
M. Bieb.



100  
⇕  
0

Pont

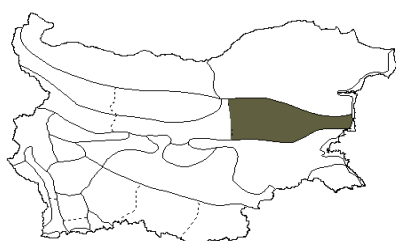
**Vicia melanops**  
Sm.



1000  
⇕  
0

subMed

**Vicia jordanovii**  
Velchev



1000  
⇕  
0

Bul

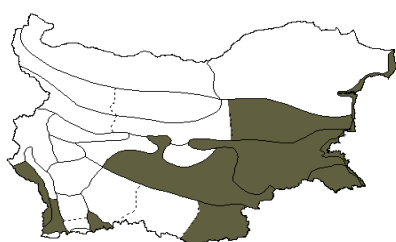
**Vicia narbonensis**  
L.



600  
⇕  
0

Eur-As

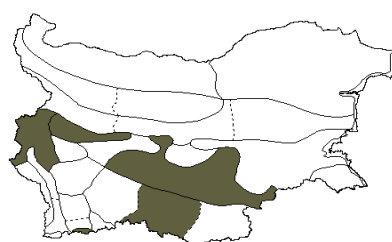
**Vicia laeta**  
Ces.



300  
⇕  
0

Med-subMed

**Vicia onobrychioides**  
L.



1400  
⇕  
100

Med

**Vicia pannonica**  
Crantz



1500  
⇕  
0

Eur-Med

**Vicia serratifolia**  
Jacq.



500  
⇕  
0

Pont-Med

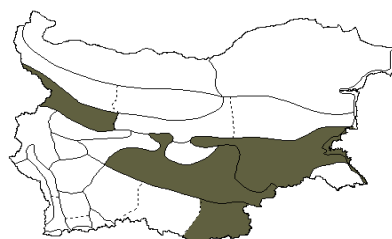
**Vicia peregrina**  
L.



1500  
⇕  
0

Eur-As

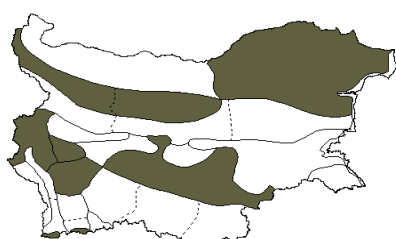
**Vicia sparsiflora**  
Ten.



500  
⇕  
0

Eur

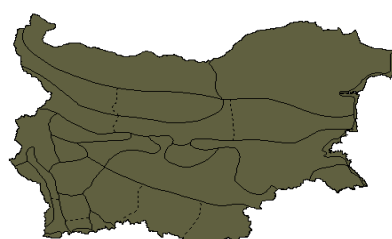
**Vicia pisiformis**  
L.



500  
⇕  
0

Eur

**Vicia tenuifolia**  
Roth



1500  
⇕  
0

Eur-As

**Vicia sativa**  
L.



500  
⇕  
0

Eur-Med

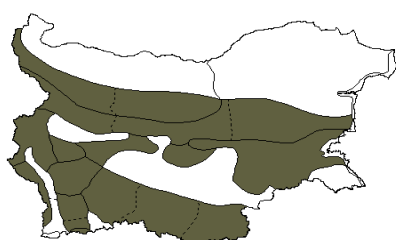
**Vicia tetrasperma**  
(L.) Schreb.



1200  
⇕  
0

Eur-Med

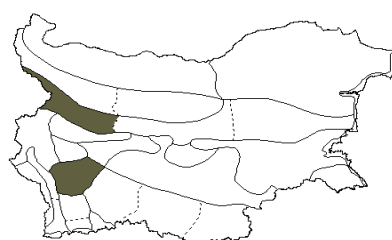
**Vicia sepium**  
L.



2200  
⇕  
300

Eur-As

**Vicia truncatula**  
M. Bieb.



1500  
⇕  
1300

Pont-Med

### *Vicia varia*

Host



900

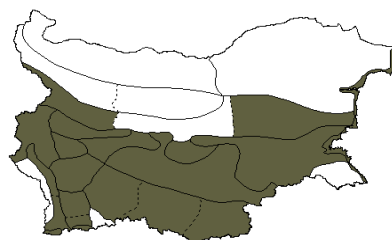


0

Eur-Med

### *Vincetoxicum fuscatum*

(Hornem.) Rchb. f.



1000



0

Med

### *Vicia villosa*

Roth



1500



0

Eur-CAs

### *Vincetoxicum hirundinaria*

Medicus



1500

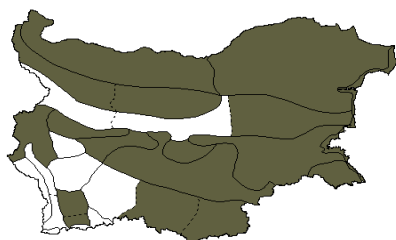


0

Eur-Sib

### *Vinca herbacea*

Waldst. & Kit.



1500

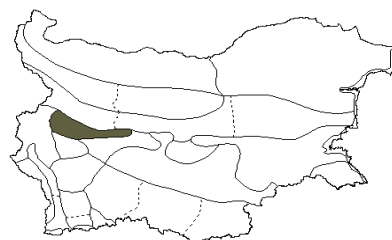


0

Eur-Med

### *Vincetoxicum nigrum*

(L.) Moench.



500



0

Adv (WEur)

### *Vinca major*

L.



500

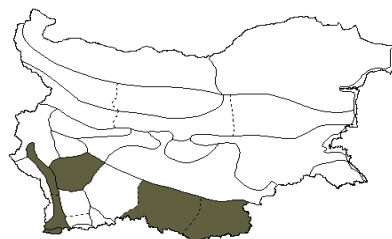


0

Eur-Med

### *Vincetoxicum speciosum*

Boiss.



700

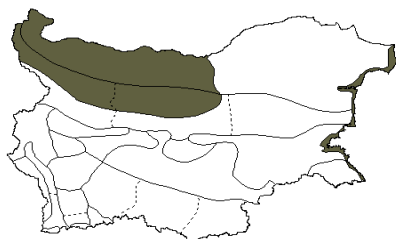


0

Med

### *Vinca minor*

L.



1000

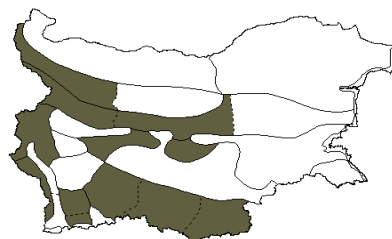


0

Eur-Med

### *Viola aetolica*

Boiss. & Heldr.



1500



800

Bal

### *Viola alba*

Besser



1200

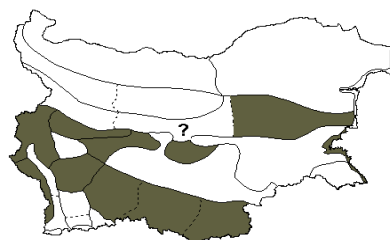


100

Eur-Med

### *Viola canina*

L.



2200



1000

Boreal

### *Viola ambigua*

Waldst. & Kit.



1100

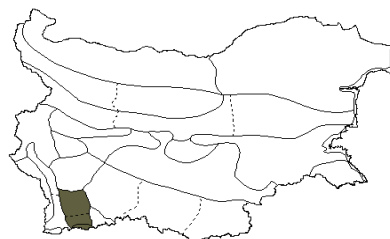


200

Eur-Sib

### *Viola crinita*

(Delip.) Delip.



2100



1500

Bul

### *Viola arvensis*

Murr.



1500

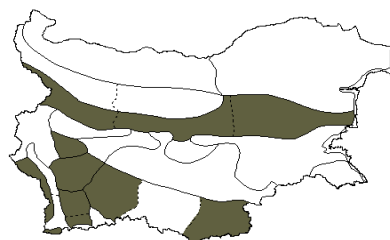


0

Eur

### *Viola dacica*

Borbás



2300

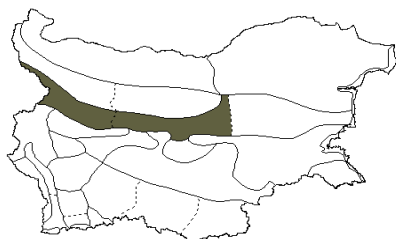


1500

Pont-Med

### *Viola balcanica*

Delip.



2000



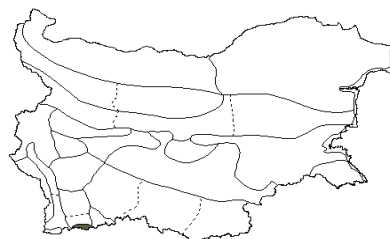
1400



Bul

### *Viola delphinantha*

Boiss.



1700



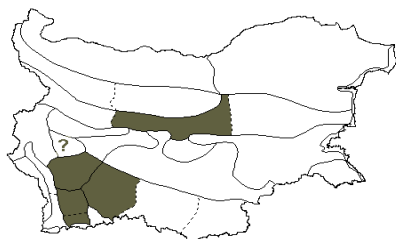
950



Bal

### *Viola biflora*

L.



2800

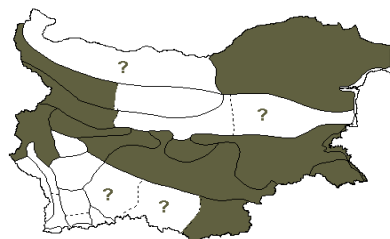


1700

Boreal

### *Viola elatior*

Fr.



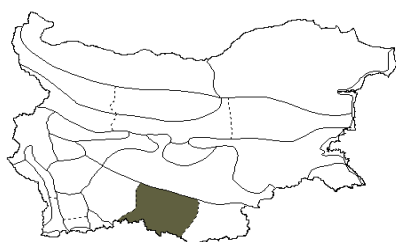
700



0

Eur-As

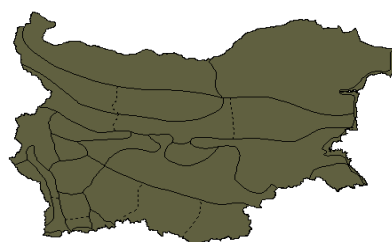
**Viola ganiatsasii**  
Erben



1500  
⇕  
500

Bal

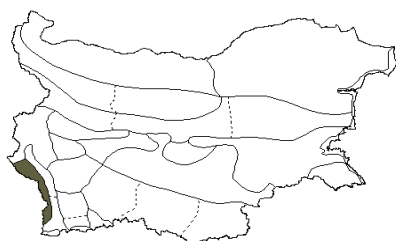
**Viola kitaibeliana**  
Schult.



1200  
⇕  
0

Eur-Med

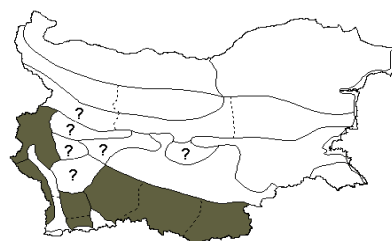
**Viola gracilis**  
Sm.



2100  
⇕  
1800

!  
Bal-Anat

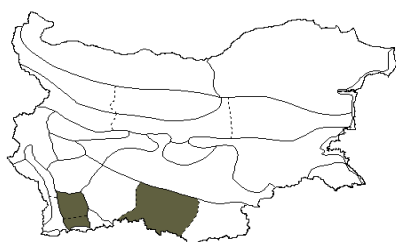
**Viola macedonica**  
Boiss. & Heldr.



2000  
⇕  
500

Bal

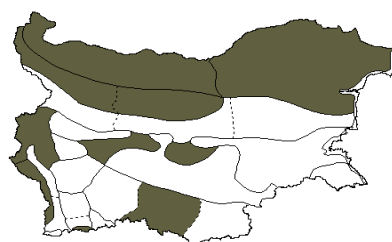
**Viola grisebachiana**  
Vis.



2800  
⇕  
1300

!  
Bal

**Viola mirabilis**  
L.



1000  
⇕  
0

Eur-As

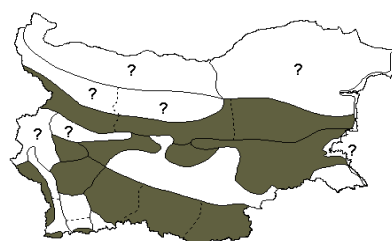
**Viola hirta**  
L.



1300  
⇕  
300

Eur-As

**Viola montana**  
L.



2000  
⇕  
500

Eur-As

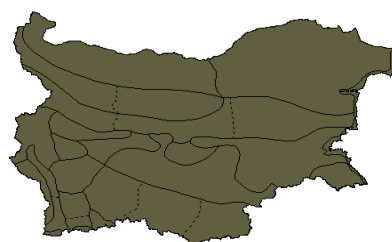
**Viola jordanii**  
Hanry



1000  
⇕  
200

Eur-Med

**Viola odorata**  
L.

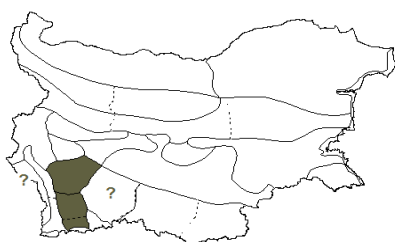


1000  
⇕  
0

Eur-Med

### *Viola orbelica*

Pančić



2000



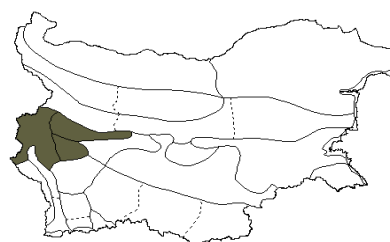
1200



Bal

### *Viola pumila*

Chaix



900



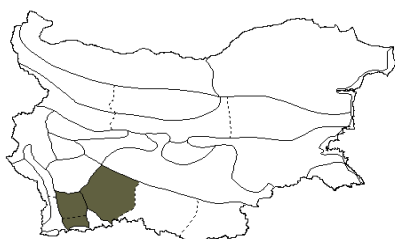
650



Eur-As

### *Viola palustris*

L.



1600



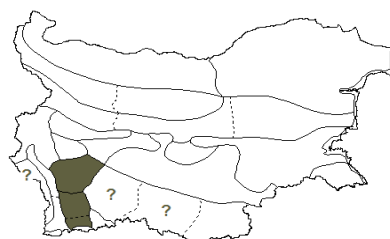
1300



Eur-NAm

### *Viola pyrenaica*

Ramond ex DC.



2000



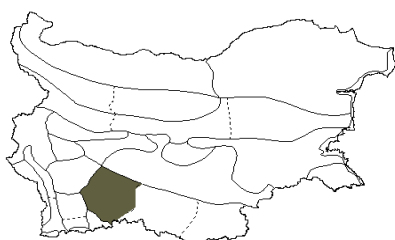
1700



Eur

### *Viola parvula*

Tineo



1200



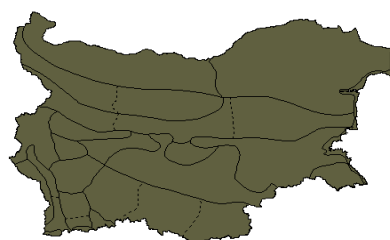
1000



Med

### *Viola reichenbachiana*

Jord. ex Boreau



2000

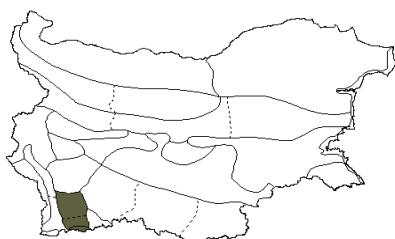


100

Eur-As

### *Viola perinensis*

Becker



2800



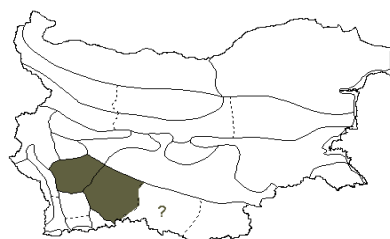
1500



Bal

### *Viola rhodopeia*

Becker



2400

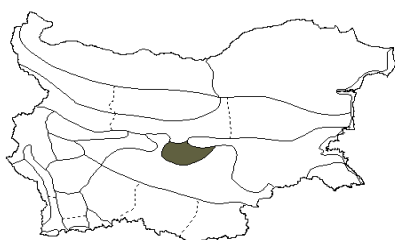


1300

Bul

### *Viola persicifolia*

Schreb.



1200



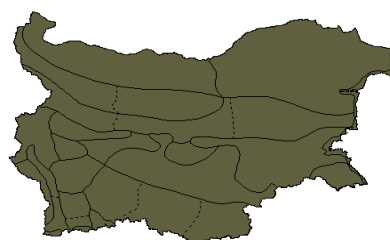
1200



Eur-Sib

### *Viola riviniana*

Rchb.



1500

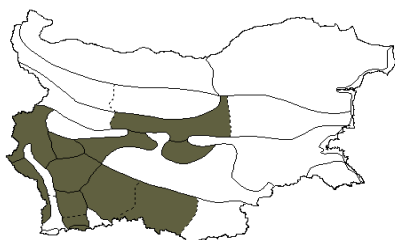


150

subMed

### *Viola rupestris*

F. W. Schmidt



1800

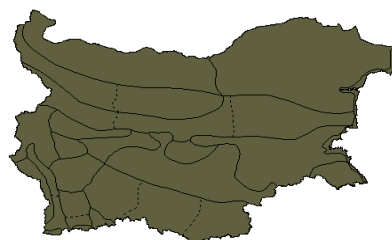


800

Eur-Sib

### *Viola suavis*

M. Bieb.



900

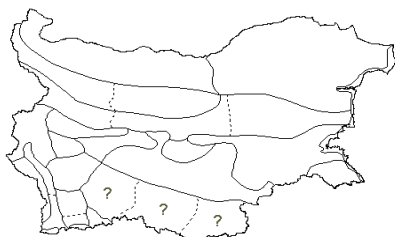


0

Eur-As

### *Viola serresiana*

Erben



Bal

### *Viola tricolor*

L.



1800

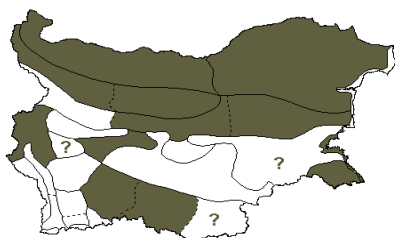


200

Eur-As

### *Viola sieheana*

Becker



1000



300

Pont-Med

### *Viscaria vulgaris*

Röhl.



1500

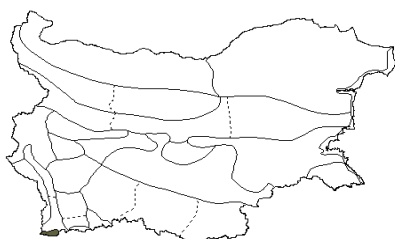


0

Eur-Sib

### *Viola speciosa*

Pant.



1900



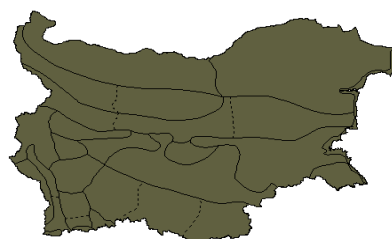
1300



Bal

### *Viscum album*

L.



2000

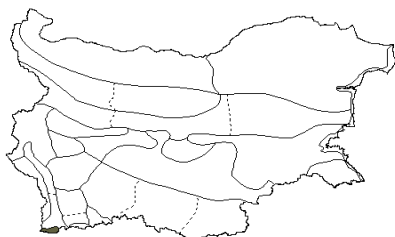


0

Eur-As

### *Viola stojanowii*

Becker



1800



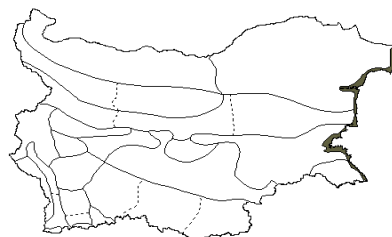
1500



Bal

### *Vitex agnus-castus*

L.



400

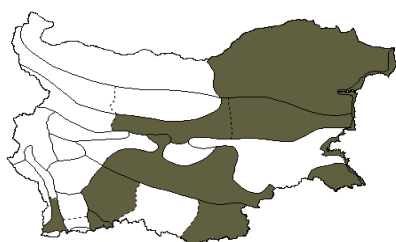


0

Med-CAs

# **Vitis sylvestris**

C. C. Gmel.



500

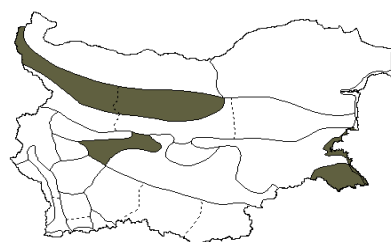


0

subMed

# **Vulpia muralis**

(Kunth) Nees



300

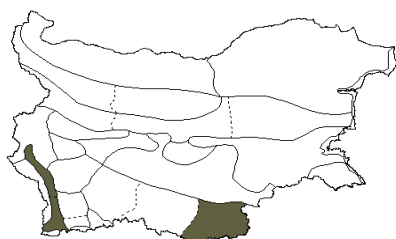


0

Med

# **Vulpia ambigua**

(Le Gall) More



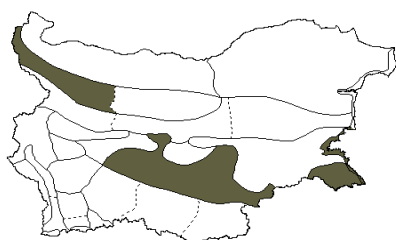
300



0

# **Vulpia bromoides**

(L.) Gray



800

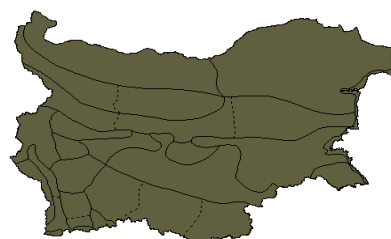


0

Med-OT

# **Vulpia myurus**

(L.) C. C. Gmel.



2000

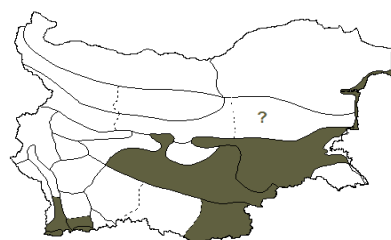


0

subBoreal

# **Vulpia unilateralis**

(L.) Stace



300

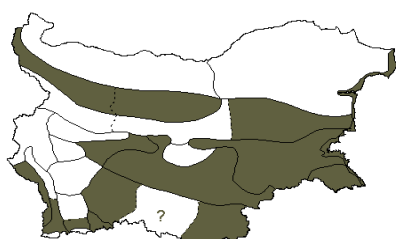


0

Med-Ch

# **Vulpia ciliata**

Dumort.



500

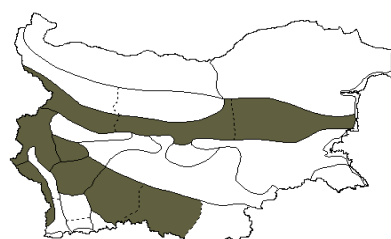


0

Med-CAs

# **Waldsteinia geoides**

Willd.



1200

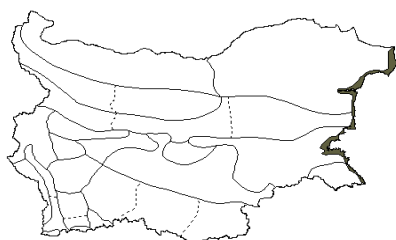


400

Pann-Bal

# **Vulpia fasciculata**

(Forssk.) Samp.



100

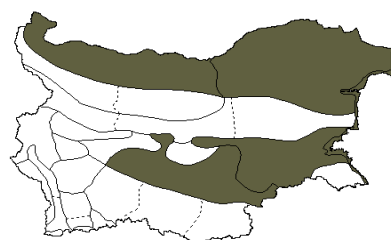


0

Med-Atl

# **Wolffia arrhiza**

(L.) Horkel ex Wimm.



300



0

Kos



### *Xanthium italicum*

Moretti



1000

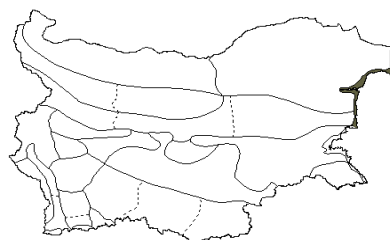


0

Adv (NAm)

### *Xeranthemum inapertum*

(L.) Mill.



100



0

Pont-Med

### *Xanthium spinosum*

L.



1000



0

Kos

### *Zannichellia palustris*

L.



500



0

Kos

### *Xanthium strumarium*

L.



1000

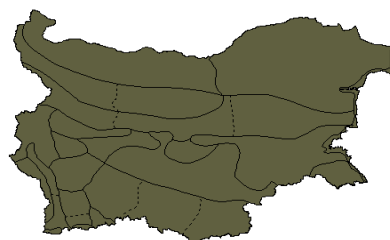


0

Eur

### *Ziziphora capitata*

L.



1000



0

Med

### *Xeranthemum annuum*

L.



1000

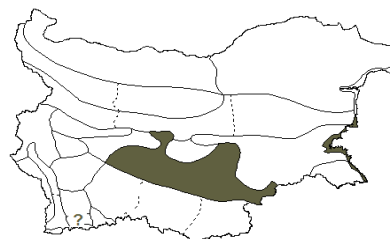


0

subMed

### *Ziziphus jujuba*

Mill.



300



0

Adv (EAs)

### *Xeranthemum cylindraceum*

Sm.



500

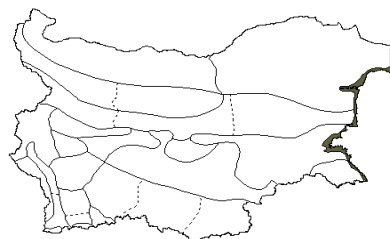


0

subMed

### *Zostera marina*

L.



0

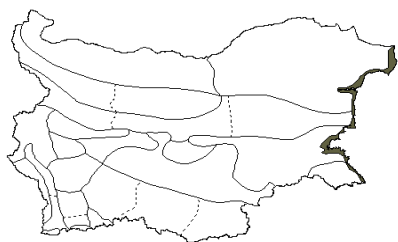


0

Kos

## **Zostera noltii**

Hornem.



0

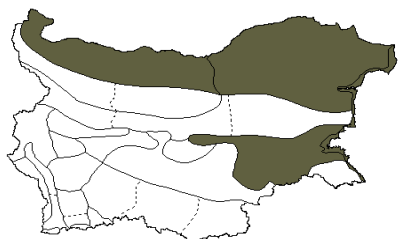


0

Atl-Med

## **Zygophyllum fabago**

L.



100



0

Eur-As

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## СПИСЪК НА РОДОВЕТЕ И ТЕХНИТЕ СЕМЕЙСТВА

### LIST OF THE GENERA AND THEIR FAMILIES

Abies - <i>Pinaceae</i>	Antennaria - <i>Asteraceae</i>
Abutilon - <i>Malvaceae</i>	Anthemis - <i>Asteraceae</i>
Acalypha - <i>Euphorbiaceae</i>	Anthericum - <i>Liliaceae</i>
Acanthus - <i>Acanthaceae</i>	Anthoxanthum - <i>Poaceae</i>
Acer - <i>Aceraceae</i>	Anthriscus - <i>Apiaceae</i>
Achillea - <i>Asteraceae</i>	Anthyllis - <i>Fabaceae</i>
Achnatherum - <i>Poaceae</i>	Antirrhinum - <i>Scrophulariaceae</i>
Acinos - <i>Lamiaceae</i>	Apera - <i>Poaceae</i>
Aconitum - <i>Ranunculaceae</i>	Aphanes - <i>Rosaceae</i>
Acorellus - <i>Cyperaceae</i>	Apium - <i>Apiaceae</i>
Acorus - <i>Araceae</i>	Aquilegia - <i>Ranunculaceae</i>
Actaea - <i>Ranunculaceae</i>	Arabidopsis - <i>Brassicaceae</i>
Adenostyles - <i>Asteraceae</i>	Arabis - <i>Brassicaceae</i>
Adiantum - <i>Adiantaceae</i>	Arbutus - <i>Ericaceae</i>
Adonis - <i>Ranunculaceae</i>	Arceutobium - <i>Loranthaceae</i>
Adoxa - <i>Adoxaceae</i>	Arctium - <i>Asteraceae</i>
Aegilops - <i>Poaceae</i>	Arctostaphylos - <i>Ericaceae</i>
Aegopodium - <i>Apiaceae</i>	Aremonia - <i>Rosaceae</i>
Aeluropus - <i>Poaceae</i>	Arenaria - <i>Caryophyllaceae</i>
Aesculus - <i>Hippocastanaceae</i>	Argusia - <i>Boraginaceae</i>
Aethionema - <i>Brassicaceae</i>	Aristolochia - <i>Aristolochiaceae</i>
Aethusa - <i>Apiaceae</i>	Armeria - <i>Plumbaginaceae</i>
Agrimonia - <i>Rosaceae</i>	Armoracia - <i>Brassicaceae</i>
Agropyron - <i>Poaceae</i>	Arnica - <i>Asteraceae</i>
Agrostemma - <i>Caryophyllaceae</i>	Arrhenatherum - <i>Poaceae</i>
Agrostis - <i>Poaceae</i>	Artemisia - <i>Asteraceae</i>
Ailanthus - <i>Simaroubaceae</i>	Arum - <i>Araceae</i>
Aira - <i>Poaceae</i>	Asarum - <i>Aristolochiaceae</i>
Ajuga - <i>Lamiaceae</i>	Asclepias - <i>Asclepiadaceae</i>
Alcea - <i>Malvaceae</i>	Asparagus - <i>Liliaceae</i>
Alchemilla - <i>Rosaceae</i>	Asperugo - <i>Boraginaceae</i>
Aldrovanda - <i>Droseraceae</i>	Asperula - <i>Rubiaceae</i>
Alisma - <i>Alismataceae</i>	Asphodeline - <i>Liliaceae</i>
Alkanna - <i>Boraginaceae</i>	Asphodelus - <i>Liliaceae</i>
Alliaria - <i>Brassicaceae</i>	Asplenium - <i>Aspleniaceae</i>
Allium - <i>Liliaceae</i>	Aster - <i>Asteraceae</i>
Alnus - <i>Betulaceae</i>	Asteriscus - <i>Asteraceae</i>
Alopecurus - <i>Poaceae</i>	Asterolinon - <i>Primulaceae</i>
Althaea - <i>Malvaceae</i>	Astracantha - <i>Fabaceae</i>
Alyssoides - <i>Brassicaceae</i>	Astragalus - <i>Fabaceae</i>
Alyssum - <i>Brassicaceae</i>	Astrantia - <i>Apiaceae</i>
Amaranthus - <i>Amaranthaceae</i>	Astrodaucus - <i>Apiaceae</i>
Ambrosia - <i>Asteraceae</i>	Asyneuma - <i>Campanulaceae</i>
Amelanchier - <i>Rosaceae</i>	Athyrium - <i>Athyriaceae</i>
Ammannia - <i>Lythraceae</i>	Atriplex - <i>Chenopodiaceae</i>
Ammophila - <i>Poaceae</i>	Atropa - <i>Solanaceae</i>
Amorpha - <i>Fabaceae</i>	Aubrieta - <i>Brassicaceae</i>
Amygdalus - <i>Rosaceae</i>	Aurinia - <i>Brassicaceae</i>
Anacamptis - <i>Orchidaceae</i>	Avena - <i>Poaceae</i>
Anagalis - <i>Primulaceae</i>	Avenula - <i>Poaceae</i>
Anchusa - <i>Boraginaceae</i>	Azolla - <i>Azollaceae</i>
Andrachne - <i>Euphorbiaceae</i>	Ballota - <i>Lamiaceae</i>
Androsace - <i>Primulaceae</i>	Barbarea - <i>Brassicaceae</i>
Andrzeiowskia - <i>Brassicaceae</i>	Bartsia - <i>Scrophulariaceae</i>
Anemone - <i>Ranunculaceae</i>	Bassia - <i>Chenopodiaceae</i>
Anethum - <i>Apiaceae</i>	Beckmannia - <i>Poaceae</i>
Angelica - <i>Apiaceae</i>	Bellardia - <i>Scrophulariaceae</i>

Bellardiochloa - *Poaceae*  
 Bellevalia - *Liliaceae*  
 Bellis - *Asteraceae*  
 Berberis - *Berberidaceae*  
 Berteroa - *Brassicaceae*  
 Berula - *Apiaceae*  
 Beta - *Chenopodiaceae*  
 Betonica - *Lamiaceae*  
 Betula - *Betulaceae*  
 Bidens - *Asteraceae*  
 Bifora - *Apiaceae*  
 Bilderdykia - *Polygonaceae*  
 Biserrula - *Fabaceae*  
 Bistorta - *Polygonaceae*  
 Bituminaria - *Fabaceae*  
 Blackstonia - *Gentianaceae*  
 Blechnum - *Blechnaceae*  
 Blysmus - *Cyperaceae*  
 Bolboschoenus - *Cyperaceae*  
 Bombycilaena - *Asteraceae*  
 Botrychium - *Ophioglossaceae*  
 Brachiaria - *Poaceae*  
 Brachypodium - *Poaceae*  
 Brassica - *Brassicaceae*  
 Briza - *Poaceae*  
 Bromus - *Poaceae*  
 Broussonetia - *Moraceae*  
 Bruckenthalia - *Ericaceae*  
 Bryonia - *Cucurbitaceae*  
 Bufonia - *Caryophyllaceae*  
 Buglossoides - *Boraginaceae*  
 Bunias - *Brassicaceae*  
 Bunium - *Apiaceae*  
 Bupleurum - *Apiaceae*  
 Butomus - *Butomaceae*  
 Cachrys - *Apiaceae*  
 Cakile - *Brassicaceae*  
 Calamagrostis - *Poaceae*  
 Calamintha - *Lamiaceae*  
 Caldesia - *Alismataceae*  
 Calendula - *Asteraceae*  
 Calepina - *Brassicaceae*  
 Callitriche - *Callitrichaceae*  
 Calluna - *Ericaceae*  
 Caltha - *Ranunculaceae*  
 Calystegia - *Convolvulaceae*  
 Camelina - *Brassicaceae*  
 Campanula - *Campanulaceae*  
 Camphorosma - *Chenopodiaceae*  
 Cannabis - *Cannabaceae*  
 Capsella - *Brassicaceae*  
 Caragana - *Fabaceae*  
 Cardamine - *Brassicaceae*  
 Cardaminopsis - *Brassicaceae*  
 Cardaria - *Brassicaceae*  
 Carduus - *Asteraceae*  
 Carex - *Cyperaceae*  
 Carlina - *Asteraceae*  
 Carpesium - *Asteraceae*  
 Carpinus - *Betulaceae*  
 Carthamus - *Asteraceae*  
 Carum - *Apiaceae*  
 Castanea - *Fagaceae*  
 Catabrosa - *Poaceae*  
 Catalpa - *Bignoniaceae*  
 Caucalis - *Apiaceae*  
 Celtis - *Ulmaceae*  
 Cenchrus - *Poaceae*  
 Centaurea - *Asteraceae*  
 Centaurium - *Gentianaceae*  
 Centranthus - *Valerianaceae*  
 Cephalanthera - *Orchidaceae*  
 Cephalaria - *Dipsacaceae*  
 Cephalorrhynchus - *Asteraceae*  
 Cerastium - *Caryophyllaceae*  
 Ceratocarpus - *Chenopodiaceae*  
 Ceratocephalus - *Ranunculaceae*  
 Ceratophyllum - *Ceratophyllaceae*  
 Cercis - *Fabaceae*  
 Cerinthe - *Boraginaceae*  
 Ceterach - *Aspleniaceae*  
 Chaenorhinum - *Scrophulariaceae*  
 Chaerophyllum - *Apiaceae*  
 Chamaecytisus - *Fabaceae*  
 Chamaespartium - *Fabaceae*  
 Cheilanthes - *Sinopteridaceae*  
 Chelidonium - *Papaveraceae*  
 Chenopodium - *Chenopodiaceae*  
 Chondrilla - *Asteraceae*  
 Chorispora - *Brassicaceae*  
 Chrozophora - *Euphorbiaceae*  
 Chrysopogon - *Poaceae*  
 Chrysosplenium - *Saxifragaceae*  
 Cicer - *Fabaceae*  
 Cicerbita - *Asteraceae*  
 Cichorium - *Asteraceae*  
 Cicuta - *Apiaceae*  
 Cionura - *Asclepiadaceae*  
 Circaea - *Onagraceae*  
 Cirsium - *Asteraceae*  
 Cistus - *Cistaceae*  
 Citrullus - *Cucurbitaceae*  
 Cladium - *Cyperaceae*  
 Cleistogenes - *Poaceae*  
 Clematis - *Ranunculaceae*  
 Cleome - *Capparidaceae*  
 Clinopodium - *Lamiaceae*  
 Clypeola - *Brassicaceae*  
 Cnicus - *Asteraceae*  
 Cnidium - *Apiaceae*  
 Coeloglossum - *Orchidaceae*  
 Colchicum - *Liliaceae*  
 Colutea - *Fabaceae*  
 Comandra - *Santalaceae*  
 Commelina - *Commelinaceae*  
 Conium - *Apiaceae*  
 Conringia - *Brassicaceae*  
 Consolida - *Ranunculaceae*

Convallaria - <i>Liliaceae</i>	Diphasiastrum - <i>Lycopodiaceae</i>
Convolvulus - <i>Convolvulaceae</i>	Diplotaxis - <i>Brassicaceae</i>
Conyza - <i>Asteraceae</i>	Dipsacus - <i>Dipsacaceae</i>
Corallorhiza - <i>Orchidaceae</i>	Dittrichia - <i>Asteraceae</i>
Coriandrum - <i>Apiaceae</i>	Doronicum - <i>Asteraceae</i>
Corispermum - <i>Chenopodiaceae</i>	Dorycnium - <i>Fabaceae</i>
Cornus - <i>Cornaceae</i>	Draba - <i>Brassicaceae</i>
Coronilla - <i>Fabaceae</i>	Dracocephalum - <i>Lamiaceae</i>
Coronopus - <i>Brassicaceae</i>	Dracunculus - <i>Araceae</i>
Corothamnus - <i>Fabaceae</i>	Drosera - <i>Droseraceae</i>
Corrigiola - <i>Caryophyllaceae</i>	Dryas - <i>Rosaceae</i>
Cortusa - <i>Primulaceae</i>	Dryopteris - <i>Aspidiaceae</i>
Corydalis - <i>Papaveraceae</i>	Duchesnea - <i>Rosaceae</i>
Corylus - <i>Betulaceae</i>	Ecballium - <i>Cucurbitaceae</i>
Corynephorus - <i>Poaceae</i>	Echinaria - <i>Poaceae</i>
Cotinus - <i>Anacardiaceae</i>	Echinochloa - <i>Poaceae</i>
Cotoneaster - <i>Rosaceae</i>	Echinocystis - <i>Cucurbitaceae</i>
Crambe - <i>Brassicaceae</i>	Echinophora - <i>Apiaceae</i>
Crassula - <i>Crassulaceae</i>	Echinops - <i>Asteraceae</i>
Crataegus - <i>Rosaceae</i>	Echium - <i>Boraginaceae</i>
Crepis - <i>Asteraceae</i>	Eclipta - <i>Asteraceae</i>
Cressa - <i>Convolvulaceae</i>	Edraianthus - <i>Campanulaceae</i>
Crithmum - <i>Apiaceae</i>	Elatine - <i>Elatinaceae</i>
Crocus - <i>Iridaceae</i>	Elaeagnus - <i>Elaeagnaceae</i>
Crucianella - <i>Rubiaceae</i>	Eleocharis - <i>Cyperaceae</i>
Cruciata - <i>Rubiaceae</i>	Eleusine - <i>Poaceae</i>
Crupina - <i>Asteraceae</i>	Elodea - <i>Hydrocharitaceae</i>
Crypsis - <i>Poaceae</i>	Elymus - <i>Poaceae</i>
Cryptogramma - <i>Cryptogrammaceae</i>	Empetrum - <i>Empetraceae</i>
Cucubalus - <i>Caryophyllaceae</i>	Ephedra - <i>Ephedraceae</i>
Cuscuta - <i>Cuscutaceae</i>	Epilobium - <i>Onagraceae</i>
Cyclamen - <i>Primulaceae</i>	Epimedium - <i>Berberidaceae</i>
Cymbalaria - <i>Scrophulariaceae</i>	Epipactis - <i>Orchidaceae</i>
Cynanchum - <i>Asclepiadaceae</i>	Epipogium - <i>Orchidaceae</i>
Cynodon - <i>Poaceae</i>	Equisetum - <i>Equisetaceae</i>
Cynoglossum - <i>Boraginaceae</i>	Eragrostis - <i>Poaceae</i>
Cynosurus - <i>Poaceae</i>	Eranthis - <i>Ranunculaceae</i>
Cyperus - <i>Cyperaceae</i>	Erianthus - <i>Poaceae</i>
Cypripedium - <i>Orchidaceae</i>	Erica - <i>Ericaceae</i>
Cystopteris - <i>Athyriaceae</i>	Erigeron - <i>Asteraceae</i>
Cytinus - <i>Rafflesiaceae</i>	Eriolobus - <i>Rosaceae</i>
Dactylis - <i>Poaceae</i>	Eriophorum - <i>Cyperaceae</i>
Dactylorhiza - <i>Orchidaceae</i>	Erodium - <i>Geraniaceae</i>
Danthonia - <i>Poaceae</i>	Erophila - <i>Brassicaceae</i>
Danthoniastrum - <i>Poaceae</i>	Eruca - <i>Brassicaceae</i>
Daphne - <i>Thymeleaceae</i>	Eryngium - <i>Apiaceae</i>
Dasypyrum - <i>Poaceae</i>	Erysimum - <i>Brassicaceae</i>
Datura - <i>Solanaceae</i>	Erythronium - <i>Liliaceae</i>
Daucus - <i>Apiaceae</i>	Euclidium - <i>Brassicaceae</i>
Delphinium - <i>Ranunculaceae</i>	Eupatorium - <i>Asteraceae</i>
Deschampsia - <i>Poaceae</i>	Euphorbia - <i>Euphorbiaceae</i>
Descurainia - <i>Brassicaceae</i>	Euphrasia - <i>Scrophulariaceae</i>
Desmazeria - <i>Poaceae</i>	Evonymus - <i>Celastraceae</i>
Dianthus - <i>Caryophyllaceae</i>	Fagus - <i>Fagaceae</i>
Dichanthium - <i>Poaceae</i>	Falcaria - <i>Apiaceae</i>
Dichostylis - <i>Cyperaceae</i>	Fallopia - <i>Polygonaceae</i>
Dictamnus - <i>Rutaceae</i>	Ferula - <i>Apiaceae</i>
Digitalis - <i>Scrophulariaceae</i>	Ferulago - <i>Apiaceae</i>
Digitaria - <i>Poaceae</i>	Festuca - <i>Poaceae</i>

Festulolium - *Poaceae*  
 Fibigia - *Brassicaceae*  
 Ficus - *Moraceae*  
 Filaginella - *Asteraceae*  
 Filago - *Asteraceae*  
 Filipendula - *Rosaceae*  
 Fimbristylis - *Cyperaceae*  
 Foeniculum - *Apiaceae*  
 Fragaria - *Rosaceae*  
 Frangula - *Rhamnaceae*  
 Frankenia - *Frankeniaceae*  
 Fraxinus - *Oleaceae*  
 Fritillaria - *Liliaceae*  
 Fumana - *Cistaceae*  
 Fumaria - *Papaveraceae*  
 Gagea - *Liliaceae*  
 Galanthus - *Amaryllidaceae*  
 Galega - *Fabaceae*  
 Galeopsis - *Lamiaceae*  
 Galilea - *Cyperaceae*  
 Galinsoga - *Asteraceae*  
 Galium - *Rubiaceae*  
 Gastridium - *Poaceae*  
 Gaudinia - *Poaceae*  
 Genista - *Fabaceae*  
 Gentiana - *Gentianaceae*  
 Gentianella - *Gentianaceae*  
 Geranium - *Geraniaceae*  
 Geum - *Rosaceae*  
 Gladiolus - *Iridaceae*  
 Glaucium - *Papaveraceae*  
 Glechoma - *Lamiaceae*  
 Gleditsia - *Fabaceae*  
 Glinus - *Molluginaceae*  
 Globularia - *Globulariaceae*  
 Glyceria - *Poaceae*  
 Glycyrrhiza - *Fabaceae*  
 Gnaphalium - *Asteraceae*  
 Goniolimon - *Plumbaginaceae*  
 Goodyera - *Orchidaceae*  
 Gratiola - *Scrophulariaceae*  
 Groenlandia - *Potamogetonaceae*  
 Gymnadenia - *Orchidaceae*  
 Gymnocarpium - *Aspidiaceae*  
 Gypsophila - *Caryophyllaceae*  
 Haberlea - *Gesneriaceae*  
 Hainardia - *Poaceae*  
 Halimione - *Chenopodiaceae*  
 Hammarbya - *Orchidaceae*  
 Haplophyllum - *Rutaceae*  
 Hedera - *Araliaceae*  
 Hedypnois - *Asteraceae*  
 Hedysarum - *Fabaceae*  
 Helianthemum - *Cistaceae*  
 Helianthus - *Asteraceae*  
 Helichrysum - *Asteraceae*  
 Heliotropium - *Boraginaceae*  
 Helleborus - *Ranunculaceae*  
 Hepatica - *Ranunculaceae*

Heptaptera - *Apiaceae*  
 Heracleum - *Apiaceae*  
 Herminium - *Orchidaceae*  
 Herniaria - *Caryophyllaceae*  
 Hesperis - *Brassicaceae*  
 Heteranthera - *Pontederiaceae*  
 Hibiscus - *Malvaceae*  
 Hieracium - *Asteraceae*  
 Hierochloa - *Poaceae*  
 Himantoglossum - *Orchidaceae*  
 Hippocrepis - *Fabaceae*  
 Hippomarathrum - *Apiaceae*  
 Hippophae - *Elaeagnaceae*  
 Hippuris - *Hippuridaceae*  
 Holcus - *Poaceae*  
 Holoschoenus - *Cyperaceae*  
 Holosteum - *Caryophyllaceae*  
 Homogyne - *Asteraceae*  
 Hordelymus - *Poaceae*  
 Hordeum - *Poaceae*  
 Hornungia - *Brassicaceae*  
 Hottonia - *Primulaceae*  
 Huetia - *Apiaceae*  
 Humulus - *Cannabaceae*  
 Huperzia - *Lycopodiaceae*  
 Hyacinthella - *Liliaceae*  
 Hydrocharis - *Hydrocharitaceae*  
 Hymenocarpus - *Fabaceae*  
 Hymenolobus - *Brassicaceae*  
 Hyoscyamus - *Solanaceae*  
 Hypecoum - *Papaveraceae*  
 Hypericum - *Hypericaceae*  
 Hypochaeris - *Asteraceae*  
 Hyssopus - *Lamiaceae*  
 Iberis - *Brassicaceae*  
 Ilex - *Aquifoliaceae*  
 Impatiens - *Balsaminaceae*  
 Imperata - *Poaceae*  
 Inula - *Asteraceae*  
 Iris - *Iridaceae*  
 Isatis - *Brassicaceae*  
 Isoetes - *Isoetaceae*  
 Isolepis - *Cyperaceae*  
 Isopyrum - *Ranunculaceae*  
 Iva - *Asteraceae*  
 Jasione - *Campanulaceae*  
 Jasminum - *Oleaceae*  
 Jovibarba - *Crassulaceae*  
 Juglans - *Juglandaceae*  
 Juncus - *Juncaceae*  
 Juniperus - *Cupressaceae*  
 Jurinea - *Asteraceae*  
 Kerneria - *Brassicaceae*  
 Kickxia - *Scrophulariaceae*  
 Knautia - *Dipsacaceae*  
 Kobresia - *Cyperaceae*  
 Kochia - *Chenopodiaceae*  
 Koeleria - *Poaceae*  
 Koelreuteria - *Sapindaceae*

Lactuca - *Asteraceae*  
 Lagoecia - *Apiaceae*  
 Lagurus - *Poaceae*  
 Lamium - *Lamiaceae*  
 Lappula - *Boraginaceae*  
 Lapsana - *Asteraceae*  
 Laser - *Apiaceae*  
 Laserpitium - *Apiaceae*  
 Lathraea - *Scrophulariaceae*  
 Lathyrus - *Fabaceae*  
 Laurocerasus - *Rosaceae*  
 Lavandula - *Lamiaceae*  
 Lavatera - *Malvaceae*  
 Leersia - *Poaceae*  
 Legousia - *Campanulaceae*  
 Lembotropis - *Fabaceae*  
 Lemna - *Lemnaceae*  
 Lens - *Fabaceae*  
 Leontice - *Berberidaceae*  
 Leontodon - *Asteraceae*  
 Leontopodium - *Asteraceae*  
 Leonurus - *Lamiaceae*  
 Lepidium - *Brassicaceae*  
 Lepidotrichum - *Brassicaceae*  
 Lerchenfeldia - *Poaceae*  
 Leucanthemella - *Asteraceae*  
 Leucanthemum - *Asteraceae*  
 Leucojum - *Amaryllidaceae*  
 Leymus - *Poaceae*  
 Ligularia - *Asteraceae*  
 Ligusticum - *Apiaceae*  
 Ligustrum - *Oleaceae*  
 Lilium - *Liliaceae*  
 Limodorum - *Orchidaceae*  
 Limonium - *Plumbaginaceae*  
 Limosella - *Scrophulariaceae*  
 Linaria - *Scrophulariaceae*  
 Lindernia - *Scrophulariaceae*  
 Linum - *Linaceae*  
 Liparis - *Orchidaceae*  
 Listera - *Orchidaceae*  
 Lithospermum - *Boraginaceae*  
 Lloydia - *Liliaceae*  
 Logfia - *Asteraceae*  
 Lolium - *Poaceae*  
 Lonicera - *Caprifoliaceae*  
 Lophochloa - *Poaceae*  
 Loranthus - *Loranthaceae*  
 Lotononis - *Fabaceae*  
 Lotus - *Fabaceae*  
 Ludwigia - *Onagraceae*  
 Lunaria - *Brassicaceae*  
 Lupinus - *Fabaceae*  
 Luzula - *Juncaceae*  
 Lychnis - *Caryophyllaceae*  
 Lycium - *Solanaceae*  
 Lycopodiella - *Lycopodiaceae*  
 Lycopodium - *Lycopodiaceae*  
 Lycopsis - *Boraginaceae*  
 Lycopus - *Lamiaceae*  
 Lysimachia - *Primulaceae*  
 Lythrum - *Lythraceae*  
 Mahonia - *Berberidaceae*  
 Malabayla - *Apiaceae*  
 Malcolmia - *Brassicaceae*  
 Malus - *Rosaceae*  
 Malva - *Malvaceae*  
 Malvella - *Malvaceae*  
 Maresia - *Brassicaceae*  
 Marrubium - *Lamiaceae*  
 Marsilea - *Marsileaceae*  
 Matricaria - *Asteraceae*  
 Matthiola - *Brassicaceae*  
 Medicago - *Fabaceae*  
 Melampyrum - *Scrophulariaceae*  
 Melica - *Poaceae*  
 Melilotus - *Fabaceae*  
 Melissa - *Lamiaceae*  
 Melittis - *Lamiaceae*  
 Mentha - *Lamiaceae*  
 Menyanthes - *Menyanthaceae*  
 Mercurialis - *Euphorbiaceae*  
 Merendera - *Liliaceae*  
 Mespilus - *Rosaceae*  
 Meum - *Apiaceae*  
 Mibora - *Poaceae*  
 Micromeria - *Lamiaceae*  
 Micropyrum - *Poaceae*  
 Middendorfia - *Lythraceae*  
 Miliun - *Poaceae*  
 Mimulus - *Scrophulariaceae*  
 Minuartia - *Caryophyllaceae*  
 Misopates - *Scrophulariaceae*  
 Modiola - *Malvaceae*  
 Moehringia - *Caryophyllaceae*  
 Moenchia - *Caryophyllaceae*  
 Molineriella - *Poaceae*  
 Molinia - *Poaceae*  
 Mollugo - *Molluginaceae*  
 Moneses - *Pyrolaceae*  
 Monotropa - *Monotropaceae*  
 Montia - *Portulacaceae*  
 Morina - *Morinaceae*  
 Morus - *Moraceae*  
 Muscari - *Liliaceae*  
 Myagrum - *Brassicaceae*  
 Mycelis - *Asteraceae*  
 Myosotis - *Boraginaceae*  
 Myosoton - *Caryophyllaceae*  
 Myosurus - *Ranunculaceae*  
 Myricaria - *Tamaricaceae*  
 Myriophyllum - *Haloragaceae*  
 Myrrhoides - *Apiaceae*  
 Najas - *Najadaceae*  
 Narcissus - *Amaryllidaceae*  
 Nardus - *Poaceae*  
 Nasturtium - *Brassicaceae*  
 Neatostema - *Boraginaceae*

Nectaroscordum - *Liliaceae*  
 Neottia - *Orchidaceae*  
 Nepeta - *Lamiaceae*  
 Neslia - *Brassicaceae*  
 Nicandra - *Solanaceae*  
 Nigella - *Ranunculaceae*  
 Nigritella - *Orchidaceae*  
 Nonea - *Boraginaceae*  
 Nuphar - *Nymphaeaceae*  
 Nymphaea - *Nymphaeaceae*  
 Nymphoides - *Menyanthaceae*  
 Odontites - *Scrophulariaceae*  
 Oenanthe - *Apiaceae*  
 Oenothera - *Onagraceae*  
 Omalotheca - *Asteraceae*  
 Onobrychis - *Fabaceae*  
 Ononis - *Fabaceae*  
 Onopordum - *Asteraceae*  
 Onosma - *Boraginaceae*  
 Ophioglossum - *Ophioglossaceae*  
 Ophrys - *Orchidaceae*  
 Opopanax - *Apiaceae*  
 Opuntia - *Cactaceae*  
 Orchis - *Orchidaceae*  
 Origanum - *Lamiaceae*  
 Orlaya - *Apiaceae*  
 Ornithogalum - *Liliaceae*  
 Ornithopus - *Fabaceae*  
 Orobanche - *Orobanchaceae*  
 Orthilia - *Pyrolaceae*  
 Osmunda - *Osmundaceae*  
 Ostrya - *Betulaceae*  
 Osyris - *Santalaceae*  
 Otanthus - *Asteraceae*  
 Oxalis - *Oxalidaceae*  
 Oxyria - *Polygonaceae*  
 Oxytropis - *Fabaceae*  
 Paeonia - *Paeoniaceae*  
 Paliurus - *Rhamnaceae*  
 Pallenis - *Asteraceae*  
 Pancratium - *Amaryllidaceae*  
 Panicum - *Poaceae*  
 Papaver - *Papaveraceae*  
 Parapholis - *Poaceae*  
 Parentucellia - *Scrophulariaceae*  
 Parietaria - *Urticaceae*  
 Paris - *Liliaceae*  
 Parnassia - *Saxifragaceae*  
 Paronychia - *Caryophyllaceae*  
 Parthenocissus - *Vitaceae*  
 Parvotrisetum - *Poaceae*  
 Paspalum - *Poaceae*  
 Pastinaca - *Apiaceae*  
 Pedicularis - *Scrophulariaceae*  
 Peganum - *Zygophyllaceae*  
 Pennisetum - *Poaceae*  
 Peplis - *Lythraceae*  
 Peridictyon - *Poaceae*  
 Periploca - *Asclepiadaceae*  
 Persicaria - *Polygonaceae*  
 Petasites - *Asteraceae*  
 Petrorhagia - *Caryophyllaceae*  
 Petrosimonia - *Chenopodiaceae*  
 Peucedanum - *Apiaceae*  
 Phacelia - *Hydrophyllaceae*  
 Phacelurus - *Poaceae*  
 Phalaris - *Poaceae*  
 Phillyrea - *Oleaceae*  
 Phleum - *Poaceae*  
 Phlomis - *Lamiaceae*  
 Pholiurus - *Poaceae*  
 Phragmites - *Poaceae*  
 Phyllitis - *Aspleniaceae*  
 Physalis - *Solanaceae*  
 Physospermum - *Apiaceae*  
 Phyteuma - *Campanulaceae*  
 Phytolacca - *Phytolaccaceae*  
 Picea - *Pinaceae*  
 Picnomon - *Asteraceae*  
 Picris - *Asteraceae*  
 Pimpinella - *Apiaceae*  
 Pinguicula - *Lentibulariaceae*  
 Pinus - *Pinaceae*  
 Piptatherum - *Poaceae*  
 Pirinia - *Caryophyllaceae*  
 Pistacia - *Anacardiaceae*  
 Pisum - *Fabaceae*  
 Plantago - *Plantaginaceae*  
 Platanthera - *Orchidaceae*  
 Platanus - *Platanaceae*  
 Pleuropteropyrum - *Polygonaceae*  
 Pleurospermum - *Apiaceae*  
 Plumbago - *Plumbaginaceae*  
 Poa - *Poaceae*  
 Polycarpon - *Caryophyllaceae*  
 Polycnemum - *Chenopodiaceae*  
 Polygala - *Polygalaceae*  
 Polygonatum - *Liliaceae*  
 Polygonum - *Polygonaceae*  
 Polypodium - *Polypodiaceae*  
 Polypogon - *Poaceae*  
 Polystichum - *Aspidiaceae*  
 Populus - *Salicaceae*  
 Portulaca - *Portulacaceae*  
 Potamogeton - *Potamogetonaceae*  
 Potentilla - *Rosaceae*  
 Prangos - *Apiaceae*  
 Prenanthes - *Asteraceae*  
 Primula - *Primulaceae*  
 Pritzelago - *Brassicaceae*  
 Prunella - *Lamiaceae*  
 Prunus - *Rosaceae*  
 Pseudorchis - *Orchidaceae*  
 Pseudotsuga - *Pinaceae*  
 Psilurus - *Poaceae*  
 Pteridium - *Hypolepidaceae*  
 Pterocephalus - *Dipsacaceae*  
 Ptilostemon - *Asteraceae*

Puccinellia - *Poaceae*  
 Pulicaria - *Asteraceae*  
 Pulmonaria - *Boraginaceae*  
 Pulsatilla - *Ranunculaceae*  
 Pycneus - *Cyperaceae*  
 Pyracantha - *Rosaceae*  
 Pyrola - *Pyrolaceae*  
 Pyrus - *Rosaceae*  
 Quercus - *Fagaceae*  
 Queria - *Caryophyllaceae*  
 Radiola - *Linaceae*  
 Ramonda - *Gesneriaceae*  
 Ranunculus - *Ranunculaceae*  
 Raphanus - *Brassicaceae*  
 Rapistrum - *Brassicaceae*  
 Reichardia - *Asteraceae*  
 Reseda - *Resedaceae*  
 Rhagadiolus - *Asteraceae*  
 Rhamnus - *Rhamnaceae*  
 Rheum - *Polygonaceae*  
 Rhinanthus - *Scrophulariaceae*  
 Rhodax - *Cistaceae*  
 Rhodiola - *Crassulaceae*  
 Rhododendron - *Ericaceae*  
 Rhus - *Anacardiaceae*  
 Rhynchocorys - *Scrophulariaceae*  
 Ribes - *Saxifragaceae*  
 Rindera - *Boraginaceae*  
 Robinia - *Fabaceae*  
 Rochelia - *Boraginaceae*  
 Roemeria - *Papaveraceae*  
 Romulea - *Iridaceae*  
 Rorippa - *Brassicaceae*  
 Rosa - *Rosaceae*  
 Rubia - *Rubiaceae*  
 Rubus - *Rosaceae*  
 Rumex - *Polygonaceae*  
 Ruppia - *Ruppiaceae*  
 Ruscus - *Liliaceae*  
 Ruta - *Rutaceae*  
 Sagina - *Caryophyllaceae*  
 Sagittaria - *Alismataceae*  
 Salicornia - *Chenopodiaceae*  
 Salix - *Salicaceae*  
 Salsola - *Chenopodiaceae*  
 Salvia - *Lamiaceae*  
 Salvinia - *Salviniaceae*  
 Sambucus - *Caprifoliaceae*  
 Samolus - *Primulaceae*  
 Sanguisorba - *Rosaceae*  
 Sanicula - *Apiaceae*  
 Saponaria - *Caryophyllaceae*  
 Satureja - *Lamiaceae*  
 Saussurea - *Asteraceae*  
 Saxifraga - *Saxifragaceae*  
 Scabiosa - *Dipsacaceae*  
 Scandix - *Apiaceae*  
 Schivereckia - *Brassicaceae*  
 Schoenoplectus - *Cyperaceae*

Schoenus - *Cyperaceae*  
 Scilla - *Liliaceae*  
 Scirpus - *Cyperaceae*  
 Scleranthus - *Caryophyllaceae*  
 Sclerochloa - *Poaceae*  
 Scolymus - *Asteraceae*  
 Scorpiurus - *Fabaceae*  
 Scorzonera - *Asteraceae*  
 Scrophularia - *Scrophulariaceae*  
 Scutellaria - *Lamiaceae*  
 Secale - *Poaceae*  
 Securigera - *Fabaceae*  
 Sedum - *Crassulaceae*  
 Selaginella - *Selaginellaceae*  
 Selinum - *Apiaceae*  
 Sempervivum - *Crassulaceae*  
 Senecio - *Asteraceae*  
 Serapias - *Orchidaceae*  
 Serratula - *Asteraceae*  
 Seseli - *Apiaceae*  
 Sesleria - *Poaceae*  
 Setaria - *Poaceae*  
 Sherardia - *Rubiaceae*  
 Sibbaldia - *Rosaceae*  
 Sicyos - *Cucurbitaceae*  
 Sideritis - *Lamiaceae*  
 Sieglingia - *Poaceae*  
 Silaum - *Apiaceae*  
 Silene - *Caryophyllaceae*  
 Silphium - *Asteraceae*  
 Silybum - *Asteraceae*  
 Sinapis - *Brassicaceae*  
 Sison - *Apiaceae*  
 Sisymbrium - *Brassicaceae*  
 Sisyrinchium - *Iridaceae*  
 Sium - *Apiaceae*  
 Smilax - *Smilacaceae*  
 Smyrniacum - *Apiaceae*  
 Solanum - *Solanaceae*  
 Soldanella - *Primulaceae*  
 Solidago - *Asteraceae*  
 Sonchus - *Asteraceae*  
 Sorbus - *Rosaceae*  
 Sorghum - *Poaceae*  
 Sparganium - *Sparganiaceae*  
 Spartium - *Fabaceae*  
 Spergula - *Caryophyllaceae*  
 Spergularia - *Caryophyllaceae*  
 Spiraea - *Rosaceae*  
 Spiranthes - *Orchidaceae*  
 Spirodela - *Lemnaceae*  
 Sporobolus - *Poaceae*  
 Stachys - *Lamiaceae*  
 Staphylea - *Staphyleaceae*  
 Stefanoffia - *Apiaceae*  
 Stellaria - *Caryophyllaceae*  
 Steptorhamphus - *Asteraceae*  
 Sternbergia - *Amaryllidaceae*  
 Stipa - *Poaceae*

Stratiotes - *Hydrocharitaceae*  
 Streptopus - *Liliaceae*  
 Suaeda - *Chenopodiaceae*  
 Subularia - *Brassicaceae*  
 Succisa - *Dipsacaceae*  
 Swertia - *Gentianaceae*  
 Symphyandra - *Campanulaceae*  
 Symphytum - *Boraginaceae*  
 Syringa - *Oleaceae*  
 Taeniatherum - *Poaceae*  
 Tamarix - *Tamaricaceae*  
 Tamus - *Dioscoreaceae*  
 Tanacetum - *Asteraceae*  
 Taraxacum - *Asteraceae*  
 Taxus - *Taxaceae*  
 Teesdalia - *Brassicaceae*  
 Telekia - *Asteraceae*  
 Tetragonolobus - *Fabaceae*  
 Teucrium - *Lamiaceae*  
 Thalictrum - *Ranunculaceae*  
 Theligonum - *Theligonaceae*  
 Thelypteris - *Thelypteridaceae*  
 Thesium - *Santalaceae*  
 Thlaspi - *Brassicaceae*  
 Thymelaea - *Thymeleaceae*  
 Thymus - *Lamiaceae*  
 Tilia - *Tiliaceae*  
 Tolpis - *Asteraceae*  
 Tordylium - *Apiaceae*  
 Torilis - *Apiaceae*  
 Tozzia - *Scrophulariaceae*  
 Trachelium - *Campanulaceae*  
 Trachomitum - *Apocynaceae*  
 Trachynia - *Poaceae*  
 Trachystemon - *Boraginaceae*  
 Tragopogon - *Asteraceae*  
 Tragus - *Poaceae*  
 Trapa - *Trapaceae*  
 Traunsteinera - *Orchidaceae*  
 Tremastelma - *Dipsacaceae*  
 Tribulus - *Zygophyllaceae*  
 Trichophorum - *Cyperaceae*  
 Trifolium - *Fabaceae*  
 Triglochin - *Juncaginaceae*  
 Trigonella - *Fabaceae*  
 Trinia - *Apiaceae*  
 Trisetum - *Poaceae*  
 Triticum - *Poaceae*  
 Trollius - *Ranunculaceae*  
 Tuberaria - *Cistaceae*  
 Tulipa - *Liliaceae*  
 Turgenia - *Apiaceae*  
 Turgeniopsis - *Apiaceae*  
 Tussilago - *Asteraceae*  
 Typha - *Typhaceae*  
 Tyrimnus - *Asteraceae*  
 Ulmus - *Ulmaceae*  
 Umbilicus - *Crassulaceae*  
 Urospermum - *Asteraceae*  
 Urtica - *Urticaceae*  
 Utricularia - *Lentibulariaceae*  
 Vaccaria - *Caryophyllaceae*  
 Vaccinium - *Ericaceae*  
 Valeriana - *Valerianaceae*  
 Valerianella - *Valerianaceae*  
 Vallisneria - *Hydrocharitaceae*  
 Velezia - *Caryophyllaceae*  
 Ventenata - *Poaceae*  
 Veratrum - *Liliaceae*  
 Verbascum - *Scrophulariaceae*  
 Verbena - *Verbenaceae*  
 Veronica - *Scrophulariaceae*  
 Viburnum - *Caprifoliaceae*  
 Vicia - *Fabaceae*  
 Vinca - *Apocynaceae*  
 Vincetoxicum - *Asclepiadaceae*  
 Viola - *Violaceae*  
 Viscaria - *Caryophyllaceae*  
 Viscum - *Loranthaceae*  
 Vitex - *Verbenaceae*  
 Vitis - *Vitaceae*  
 Vulpia - *Poaceae*  
 Waldsteinia - *Rosaceae*  
 Wolffia - *Lemnaceae*  
 Xanthium - *Asteraceae*  
 Xeranthemum - *Asteraceae*  
 Zannichellia - *Zannichelliaceae*  
 Ziziphora - *Lamiaceae*  
 Ziziphus - *Rhamnaceae*  
 Zostera - *Zosteraceae*  
 Zygophyllum - *Zygophyllaceae*



## СПИСЪК НА СЕМЕЙСТВАТА И ВКЛЮЧЕНИТЕ В ТЯХ РОДОВЕ

### LIST OF THE FAMILIES AND THEIR GENERA

**Acanthaceae** - Acanthus

**Aceraceae** - Acer

**Adiantaceae** - Adiantum

**Adoxaceae** - Adoxa

**Alismataceae** - Alisma, Caldesia, Sagittaria

**Amaranthaceae** - Amaranthus

**Amaryllidaceae** - Galanthus, Leucojum, Narcissus, Pancratium, Sternbergia

**Anacardiaceae** - Cotinus, Pistacia, Rhus

**Apiaceae** (*Umbelliferae*) - Aegopodium, Aethusa, Anethum, Angelica, Anthriscus, Apium, Astrantia, Astrodaucus, Berula, Bifora, Bunium, Bupleurum, Cachrys, Carum, Caulis, Chaerophyllum, Cicuta, Cnidium, Conium, Coriandrum, Crithmum, Daucus, Echinophora, Eclipta, Eryngium, Falcaria, Ferula, Ferulago, Foeniculum, Heptaptera, Heracleum, Hippomarathrum, Huetia, Lagoecia, Laser, Laserpitium, Ligusticum, Malabayla, Meum, Myrrhoides, Oenanthe, Opopanax, Orlaya, Pastinaca, Peucedanum, Physospermum, Pimpinella, Pleurospermum, Prangos, Sanicula, Scandix, Selinum, Seseli, Silaum, Sison, Sium, Smyrnum, Stefanoffia, Tordylium, Torilis, Trinia, Turgenia, Turgeniopsis

**Apocynaceae** - Trachomitum, Vinca

**Aquifoliaceae** - Ilex

**Araceae** - Acorus, Arum, Dracunculus

**Araliaceae** - Hedera

**Aristolochiaceae** - Aristolochia, Asarum

**Asclepiadaceae** - Asclepias, Cionura, Cynanchum, Periploca, Vincetoxicum

**Aspidiaceae** - Dryopteris, Gymnocarpium, Polystichum

**Aspleniaceae** - Asplenium, Ceterach, Phyllitis

**Asteraceae** (*Compositae*) - Achillea, Adenostyles, Ambrosia, Antennaria, Anthemis, Arctium, Arnica, Artemisia, Aster, Asteriscus, Bellis, Bidens, Bombycilaena, Calendula, Carduus, Carlina, Carpesium, Carthamus, Centaurea, Cephalorrhynchus, Chondrilla, Cicerbita, Cichorium, Cirsium, Cnicus, Conyza, Crepis, Crupina, Dittrichia, Doronicum, Echinops, Erigeron, Eupatorium, Filaginella, Filago, Galinsoga, Gnaphalium, Hedychnois, Helianthus, Helichrysum, Hieracium, Homogyne, Hypochaeris, Inula, Iva, Jurinea, Lactuca, Lapsana, Leontodon, Leontopodium, Leucanthemella, Leucanthemum, Ligularia, Logfia, Matricaria, Mycelis, Omalotheca, Onopordum, Otanthus, Pallenis, Petasites, Picnomon, Picris, Prenanthes, Ptilostemon, Pulicaria, Reichardia, Rhagadiolus, Saussurea, Scolymus, Scorzonera, Senecio, Serratula, Silphium, Silybum, Solidago, Sonchus, Steptorhamphus, Tanacetum, Taraxacum, Telekia, Tolpis, Tragopogon, Tussilago, Tyrimnus, Urospermum, Xanthium, Xeranthemum

**Athyriaceae** - Athyrium, Cystopteris

**Azollaceae** - Azolla

**Balsaminaceae** - Impatiens

**Berberidaceae** - Berberis, Epimedium, Leontice, Mahonia

**Betulaceae** - Alnus, Betula, Carpinus, Corylus, Ostrya

**Bignoniaceae** - Catalpa

**Blechnaceae** - Blechnum

**Boraginaceae** - Alkanna, Anchusa, Argusia, Asperugo, Buglossoides, Cerinthe, Cynoglossum, Echium, Heliotropium, Lappula, Lithospermum, Lycopsis,

Myosotis, Neatostema, Nonea, Onosma, Pulmonaria, Rindera, Rochelia, Symphytum, Trachystemon

**Brassicaceae** (*Cruciferae*) - Aethionema, Alliaria, Alyssoideae, Alyssum, Andrzejewskia, Arabidopsis, Arabis, Armoracia, Aubrieta, Aurinia, Barbarea, Berteroa, Brassica, Bunias, Cakile, Calepina, Camelina, Capsella, Cardamine, Cardaminopsis, Cardaria, Chorispora, Clypeola, Conringia, Coronopus, Crambe, Descurainia, Diplotaxis, Draba, Erophila, Eruca, Erysimum, Euclidium, Fibigia, Hesperis, Hornungia, Hymenolobus, Iberis, Isatis, Kerneria, Lepidium, Lepidotrichum, Lunaria, Malcolmia, Maresia, Matthiola, Myagrum, Nasturtium, Neslia, Pritzelago, Raphanus, Rapistrum, Rorippa, Schivereckia, Sinapis, Sisymbrium, Subularia, Teesdalia, Thlaspi

**Butomaceae** - Butomus

**Cactaceae** - Opuntia

**Callitrichaceae** - Callitriche

**Campanulaceae** - Asyneuma, Campanula, Edraianthus, Jasione, Legousia, Phyteuma, Symphyandra, Trachelium

**Cannabaceae** - Cannabis, Humulus

**Capparidaceae** - Cleome

**Caprifoliaceae** - Lonicera, Sambucus, Viburnum

**Caryophyllaceae** - Agrostemma, Arenaria, Bufonia, Cerastium, Corrigiola, Cucubalus, Dianthus, Gypsophila, Herniaria, Holosteum, Lychnis, Minuartia, Moehringia, Moenchia, Myosoton, Paronychia, Petrorhagia, Pirinia, Polycarpon, Queria, Sagina, Saponaria, Scleranthus, Silene, Spergula, Spargularia, Stellaria, Vaccaria, Velezia, Viscaria

**Celastraceae** - Evonymus

**Ceratophyllaceae** - Ceratophyllum

**Chenopodiaceae** - Atriplex, Bassia, Beta, Camphorosma, Ceratocarpus, Chenopodium, Corispermum, Halimione, Kochia, Petrosimonia, Polycnemum, Salicornia, Salsola, Suaeda

**Cistaceae** - Cistus, Fumana, Helianthemum, Rhodax, Tuberaria

**Commelinaceae** - Commelina

**Convolvulaceae** - Calystegia, Convolvulus, Cressa

**Cornaceae** - Cornus

**Crassulaceae** - Crassula, Jovibarba, Rhodiola, Sedum, Sempervivum, Umbilicus

**Cryptogrammaceae** - Cryptogramma

**Cucurbitaceae** - Bryonia, Citrullus, Ecballium, Echinocystis, Sicyos

**Cupressaceae** - Juniperus

**Cuscutaceae** - Cuscuta

**Cyperaceae** - Acorellus, Blysmus, Bolboschoenus, Carex, Cladium, Cyperus, Dichostylis, Eleocharis, Eriophorum, Fimbristylis, Galilea, Holoschoenus, Isolepis, Kobresia, Pycnus, Schoenoplectus, Schoenus, Scirpus, Trichophorum

**Dioscoreaceae** - Tamus

**Dipsacaceae** - Cephalaria, Dipsacus, Knautia, Pterocarpus, Scabiosa, Succisa, Tremastelma

**Droseraceae** - Aldrovanda, Drosera

**Elaeagnaceae** - Elaeagnus, Hippophae

**Elatinaceae** - Elatine

**Empetraceae** - Empetrum

**Ephedraceae** - Ephedra

**Equisetaceae** - Equisetum

**Ericaceae** - Arbutus, Arctostaphylos, Bruckenthalia, Calluna, Erica, Rhododendron, Vaccinium

**Euphorbiaceae** - Acalypha, Andrachne, Chrozophora, Euphorbia, Mercurialis

**Fabaceae** (*Papilionaceae*) – Amorpha, Anthyllis, Astracantha, Astragalus, Biserrula, Bituminaria, Caragana, Cercis, Chamaecytisus, Chamaespartium, Cicer, Colutea, Coronilla, Corotheramnus, Dorycnium, Galega, Genista, Gleditsia, Glycyrrhiza, Hedysarum, Hippocrepis, Hymenocarpus, Lathyrus, Lembotropis, Lens, Lotononis, Lotus, Lupinus, Medicago, Melilotus, Onobrychis, Ononis, Ornithopus, Oxytropis, Pisum, Robinia, Scorpiurus, Securigera, Spartium, Tetragonolobus, Trifolium, Trigonella, Vicia

**Fagaceae** - Castanea, Fagus, Quercus

**Frankeniaceae** - Frankenia

**Gentianaceae** - Blackstonia, Centaurium, Gentiana, Gentianella, Swertia

**Geraniaceae** - Erodium, Geranium

**Gesneriaceae** - Haberlea, Ramonda

**Globulariaceae** - Globularia

**Haloragaceae** - Myriophyllum

**Hippocastanaceae** - Aesculus

**Hippuridaceae** - Hippuris

**Hydrocharitaceae** - Elodea, Hydrocharis, Stratiotes, Vallisneria

**Hydrophyllaceae** - Phacelia

**Hypericaceae** (*Guttiferae*) - Hypericum

**Hypolepidaceae** - Pteridium

**Iridaceae** - Crocus, Gladiolus, Iris, Romulea, Sisyrinchium

**Isoetaceae** - Isoetes

**Juglandaceae** - Juglans

**Juncaceae** - Juncus, Luzula

**Juncaginaceae** - Triglochin

**Lamiaceae** (*Labiatae*) - Acinos, Ajuga, Ballota, Betonica, Calamintha, Clinopodium, Dracocephalum, Galeopsis, Glechoma, Hyssopus, Lamium, Lavandula, Leonurus, Lycopus, Marrubium, Melissa, Melittis, Mentha, Micromeria, Nepeta, Origanum, Phlomis, Prunella, Salvia, Satureja, Scutellaria, Sideritis, Stachys, Teucrium, Thymus, Ziziphora

**Lemnaceae** - Lemna, Spirodela, Wolffia

**Lentibulariaceae** - Pinguicula, Utricularia

**Liliaceae** – Allium, Anthericum, Asparagus, Asphodeline, Asphodelus, Bellevalia, Colchicum, Convallaria, Erythronium, Fritillaria, Gagea, Hyacinthella, Lilium, Lloydia, Merendera, Muscari, Nectaroscordum, Ornithogalum, Paris, Polygonatum, Ruscus, Scilla, Streptopus, Tulipa, Veratrum

**Linaceae** - Linum, Radiola

**Loranthaceae** - Arceutobium, Loranthus, Viscum

**Lycopodiaceae** - Diphasiastrum, Huperzia, Lycopodiella, Lycopodium

**Lythraceae** - Ammannia, Lythrum, Middendorfia, Peplis

**Malvaceae** - Abutilon, Alcea, Althaea, Hibiscus, Lavatera, Malva, Malvella, Modiola

**Marsileaceae** - Marsilea

**Menyanthaceae** - Menyanthes, Nymphoides

**Molluginaceae** - Glinus, Mollugo

**Monotropaceae** - Monotropa

**Moraceae** – Broussonetia, Ficus, Morus

**Morinaceae** - Morina

**Najadaceae** - Najas

**Nymphaeaceae** - Nuphar, Nymphaea

**Oleaceae** - Fraxinus, Jasminum, Ligustrum, Phillyrea, Syringa

**Onagraceae** - Circaea, Epilobium, Ludwigia, Oenothera

**Ophioglossaceae** - Botrychium, Ophioglossum

**Orchidaceae** - Anacamptis, Cephalanthera, Coeloglossum, Corallorhiza, Cypripedium, Dactylorhiza, Epipactis, Epipogium, Goodyera, Gymnadenia, Hammarbya, Herminium, Himantoglossum, Limodorum, Liparis, Listera, Neottia, Nigritella, Ophrys, Orchis, Platanthera, Pseudorchis, Serapias, Spiranthes, Traunsteinera

**Orobanchaceae** - Orobanche

**Osmundaceae** - Osmunda

**Oxalidaceae** - Oxalis

**Paeoniaceae** - Paeonia

**Papaveraceae** - Chelidonium, Corydalis, Fumaria, Glaucium, Hypecoum, Papaver, Roemeria

**Phytolaccaceae** - Phytolacca

**Pinaceae** - Abies, Picea, Pinus, Pseudotsuga

**Plantaginaceae** - Plantago

**Platanaceae** - Platanus

**Plumbaginaceae** - Armeria, Goniolimon, Limonium, Plumbago

**Poaceae** (*Gramineae*) - Achnatherum, Aegilops, Aeluropus, Agropyron, Agrostis, Aira, Alopecurus, Ammophila, Anthoxanthum, Apera, Arrhenatherum, Avena, Avenula, Beckmannia, Bellardiochloa, Brachiaria, Brachypodium, Briza, Bromus, Calamagrostis, Catabrosa, Cenchrus, Chrysopogon, Cleistogenes, Corynephorus, Crypsis, Cynodon, Cynosurus, Dactylis, Danthonia, Danthoniastrum, Dasypyrum, Deschampsia, Desmazeria, Dichanthium, Digitaria, Echinaria, Echinochloa, Eleusine, Elymus, Eragrostis, Erianthus, Festuca, Festulolium, Gastridium, Gaudinia, Glyceria, Hainardia, Hierochloa, Holcus, Hordelymus, Hordeum, Imperata, Koeleria, Lagurus, Leersia, Lerchenfeldia, Leymus, Lolium, Lophochloa, Melica, Mibora, Micropyrum, Miliun, Molineriella, Molinia, Nardus, Panicum, Parapholis, Parvotrisetum, Paspalum, Pennisetum, Peridictyon, Phacelurus, Phalaris, Phleum, Pholiurus, Phragmites, Piptatherum, Poa, Polypogon, Psilurus, Puccinellia, Sclerochloa, Secale, Sesleria, Setaria, Sieglingia, Sorghum, Sporobolus, Stipa, Taeniatherum, Trachynia, Tragus, Trisetum, Triticum, Ventenata, Vulpia

**Polygalaceae** - Polygala

**Polygonaceae** - Bilderdykia, Bistorta, Fallopia, Oxyria, Persicaria, Pleuropterypyrum, Polygonum, Rheum, Rumex

**Polypodiaceae** - Polypodium

**Pontederiaceae** - Heteranthera

**Portulacaceae** - Montia, Portulaca

**Potamogetonaceae** - Groenlandia, Potamogeton

**Primulaceae** - Anagalis, Androsace, Asterolinon, Cortusa, Cyclamen, Hottonia, Lysimachia, Primula, Samolus, Soldanella

**Pyrolaceae** - Moneses, Orthilia, Pyrola

**Rafflesiaceae** - Cytinus

**Ranunculaceae** - Aconitum, Actaea, Adonis, Anemone, Aquilegia, Caltha, Ceratocephalus, Clematis, Consolida, Delphinium, Eranthis, Helleborus, Hepatica, Isopyrum, Myosurus, Nigella, Pulsatilla, Ranunculus, Thalictrum, Trollius

**Resedaceae** - Reseda

**Rhamnaceae** - Frangula, Paliurus, Rhamnus, Ziziphus

**Rosaceae** - Agrimonia, Alchemilla, Amelanchier, Amygdalus, Aphanes, Aremonia, Cotoneaster, Crataegus, Dryas, Duchesnea, Eriolobus, Filipendula, Fragaria, Geum, Laurocerasus, Malus, Mespilus, Potentilla, Prunus, Pyracantha, Pyrus, Rosa, Rubus, Sanguisorba, Sibbaldia, Sorbus, Spiraea, Waldsteinia

**Rubiaceae** - Asperula, Crucianella, Cruciata, Galium, Rubia, Sherardia

**Ruppiaceae** - Ruppia

**Rutaceae** - Dictamnus, Haplophyllum, Ruta

**Salicaceae** - Populus, Salix  
**Salviniaaceae** - Salvinia  
**Santalaceae** - Comandra, Osyris, Thesium  
**Sapindaceae** - Koelreuteria  
**Saxifragaceae** - Chrysosplenium, Parnassia, Ribes, Saxifraga  
**Scrophulariaceae** – Antirrhinum, Bartsia, Bellardia, Chaenorhinum, Cymbalaria,  
 Digitalis, Euphrasia, Gratiola, Kickxia, Lathraea, Limosella, Linaria, Lindernia,  
 Melampyrum, Mimulus, Misopates, Odontites, Parentucellia, Pedicularis,  
 Rhinanthus, Rhynchocorys, Scrophularia, Tozzia, Verbascum, Veronica  
**Selaginellaceae** – Selaginella  
**Simaroubaceae** - Ailanthus  
**Sinopteridaceae** - Cheilanthes  
**Smilacaceae** - Smilax  
**Solanaceae** - Atropa, Datura, Hyoscyamus, Lycium, Nicandra, Physalis, Solanum  
**Sparganiaceae** - Sparganium  
**Staphyleaceae** - Staphylea  
**Tamaricaceae** - Myricaria, Tamarix  
**Taxaceae** - Taxus  
**Theligonaceae** - Theligonum  
**Thelypteridaceae** - Thelypteris  
**Thymeleaceae** - Daphne, Thymelaea  
**Tiliaceae** - Tilia  
**Trapaceae** - Trapa  
**Typhaceae** - Typha  
**Ulmaceae** - Celtis, Ulmus  
**Urticaceae** - Parietaria, Urtica  
**Valerianaceae** - Centranthus, Valeriana, Valerianella  
**Verbenaceae** – Verbena, Vitex  
**Violaceae** - Viola  
**Vitaceae** – Parthenocissus, Vitis  
**Zannichelliaceae** - Zannichelia  
**Zosteraceae** - Zostera  
**Zygophyllaceae** – Peganum, Tribulus, Zygophyllum

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# **КОНСПЕКТ НА ВИСШАТА ФЛОРА НА БЪЛГАРИЯ**

*Хорология и флорни елементи*

(Четвърто допълнено и преработено издание)

*Съставители:*

Борис Асьов  
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Димитър Димитров  
Росен Василев

*Под общата редакция на:*

Борис Асьов  
Антоанета Петрова

*Оформление на корицата:*

Красимир Апостолов

С О Ф И Я 2 0 1 2





Конспектът на Висшата флора на България – четвърто допълнено и преработено издание – съдържа информация за 4102 вида растения, с карти за разпространението им в България по флорни райони, вертикални граници на разпространение, флорни елементи и статус на защита според Закона за биологичното разнообразие.

Конспектът е издание на Българска фондация “Биоразнообразие” (БФБ) – неправителствена организация, чиято мисия е да допринася за опазването на биологичното разнообразие и природното наследство на България. Фондацията подпомага организациите, ангажирани с биоразнообразието, стимулира участието на местните общности в управлението на природните ресурси и защитените територии, и допринася за обществената ангажираност към проблемите на природозащитата.

The Conspectus of the vascular flora of Bulgaria – fourth revised and enlarged edition – contains information about 4102 species of plants, with distribution maps according to the floristic regions, vertical range of distribution, floristic elements and protection status according to the Biodiversity Act.

The Conspectus is published by the Bulgarian Biodiversity Foundation – a non-governmental organisation, which mission is to support the conservation of the biodiversity and the natural heritage of Bulgaria. The Foundation supports the nature conservation organisations, the involvement of the local communities in the management of natural resources and protected territories, and contributes to the public awareness concerning the nature conservation.

БЪЛГАРСКА ФОНДАЦИЯ БИОРАЗНООБРАЗИЕ

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